Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\
Data File : BE092093.D
Acq On : 1 Aug 2016 14:58
Operator : UM/SJ
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Aug 01 16:01:17 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 15:59:29 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	9988	5.00	ng		0.00
8) Naphthalene-d8	10.97	136	45144	5.00	ng		0.00
15) Acenaphthene-d10	14.86	164	24724	5.00	ng		0.00
24) Phenanthrene-d10	17.58	188	95964	5.00	ng		0.00
31) Chrysene-d12	21.74	240	100615	5.00	ng		0.00
40) Perylene-d12	24.15	264	92541	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.70	112	8394	3.77	ng		0.00
5) Phenol-d6	7.33	99	10872	3.66	ng		0.00
9) Nitrobenzene-d5	9.35	82	10660	3.17	ng		0.00
16) 2,4,6-Tribromophenol	16.34	330	5081	5.86	ng		0.00
17) 2-Fluorobiphenyl	13.46	172	26645	2.69	ng		0.00
34) Terphenyl-d14	20.21	244	31664	1.69	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	3936	2.87	ng		97
3) n-Nitrosodimethylamine	3.78	42	5360	3.27	ng	#	94
6) bis(2-Chloroethyl)ether	7.59	93	9174	3.19	ng		96
7) n-Nitroso-di-n-propylamine	8.98	70	8649	3.65	ng		98
10) Nitrobenzene	9.38	77	11640	3.56	ng		99
11) bis(2-Chloroethoxy)methane	10.39	93	12424	3.30	ng		99
12) Naphthalene	11.02	128	29904	3.02	ng	#	95
13) Hexachlorobutadiene	11.32	225	4894	3.30	ng	#	96
14) 2-Methylnaphthalene	12.65	142	20874	3.27	ng		97
18) Acenaphthylene	14.58	152	149217	2.33	ng	#	94
19) 2,6-Dinitrotoluene	14.46	165	17919	2.72	ng	#	100
20) Acenaphthene	14.92	154	21554	3.19	ng	#	59
21) 2,4-Dinitrotoluene	15.25	165	32969	3.96	ng	#	1
22) Fluorene	15.89	166	32221	3.04	ng		99
23) 4-Chlorophenyl-phenylether	15.89	204	15051	2.89	ng	#	62
25) 4-Bromophenyl-phenylether	16.76	248	9434	2.39	ng		96
26) Hexachlorobenzene	16.88	284	9400	2.30	ng		98
27) Pentachlorophenol	17.25	266	1590	1.39	ng	#	86
28) Phenanthrene	17.62	178	69668	2.86	ng		98
29) Anthracene	17.72	178	56468	2.55	ng		100
30) Fluoranthene	19.61	202	204383	1.88	ng	#	66
32) Benzidine	19.81	184	35454	7.16	ng	#	71
33) Pyrene	19.98	202	334653	2.58	ng		96
35) Benzo(a)anthracene	21.72	228	143833	2.99	ng		94
36) 3,3'-Dichlorobenzidine	21.67	252	29360	3.17	ng	#	83
37) Chrysene	21.72	228	145558	3.57	ng	#	92
38) Bis(2-ethylhexyl)phthalate	21.65	149	63444	0.66	ng	#	30
39) Indeno(1,2,3-cd)pyrene	26.65	276	318107	2.70	ng		99
41) Benzo(b)fluoranthene	23.41	252	73266	2.61	ng		98
42) Benzo(k)fluoranthene	23.45	252	74040	2.55	ng		96
43) Benzo(a)pyrene	24.03	252	71009	3.01	ng		95
44) Dibenzo(a,h)anthracene	26.67	278	65091	3.17	ng		95
45) Benzo(g,h,i)perylene	27.42	276	272597	3.18	ng		95

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\
Data File : BE092093.D
Acq On : 1 Aug 2016 14:58
Operator : UM/SJ
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Aug 01 16:01:17 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 15:59:29 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

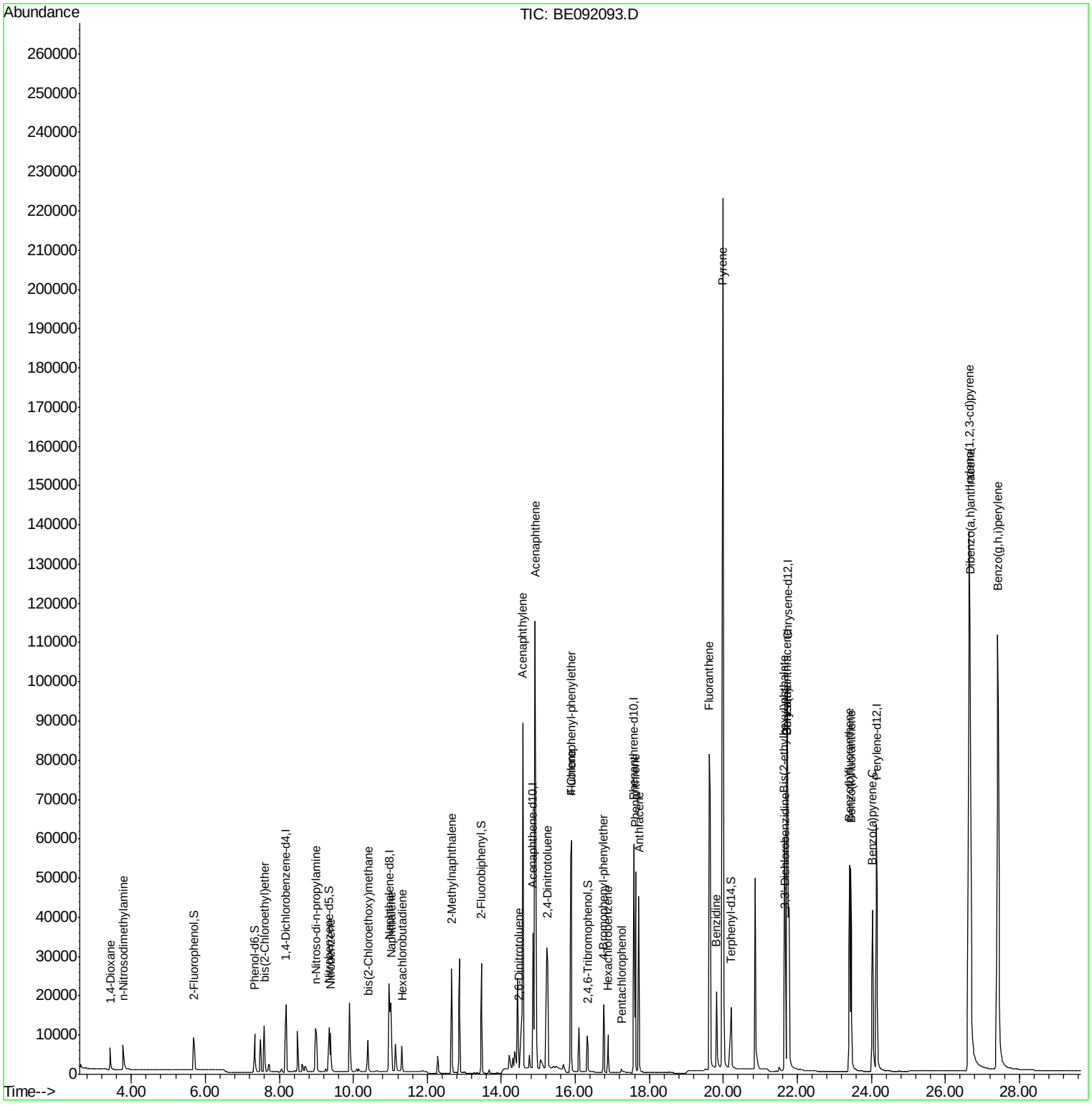
(#) = qualifier out of range (m) = manual integration (+) = signals summed

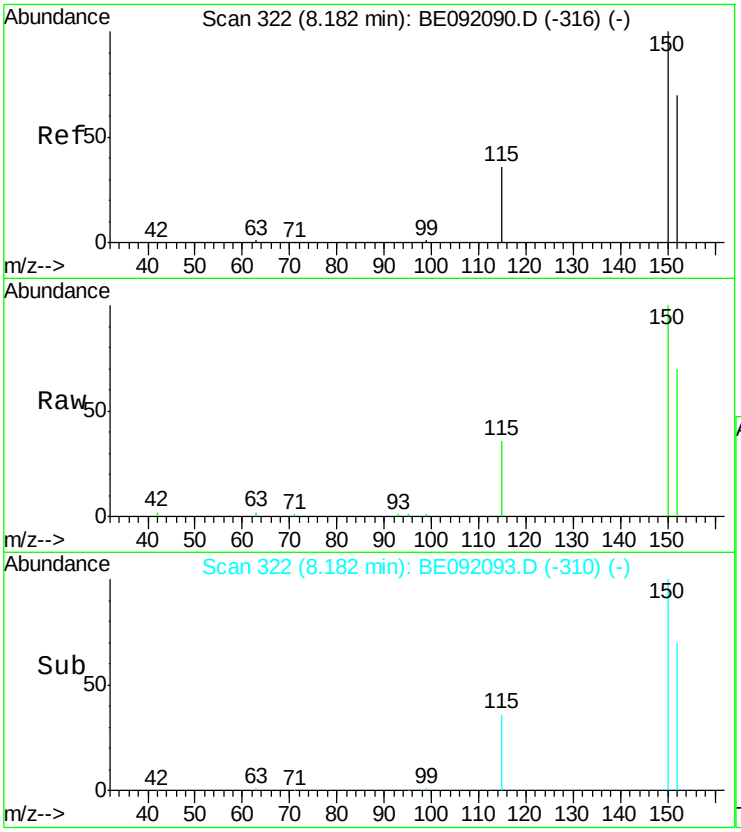
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\
Data File : BE092093.D
Acq On : 1 Aug 2016 14:58
Operator : UM/SJ
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Aug 01 16:01:17 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 15:59:29 2016
Response via : Initial Calibration



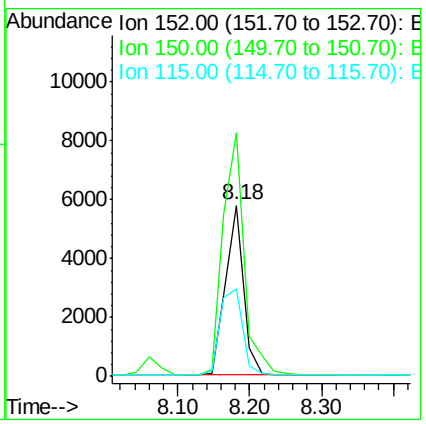


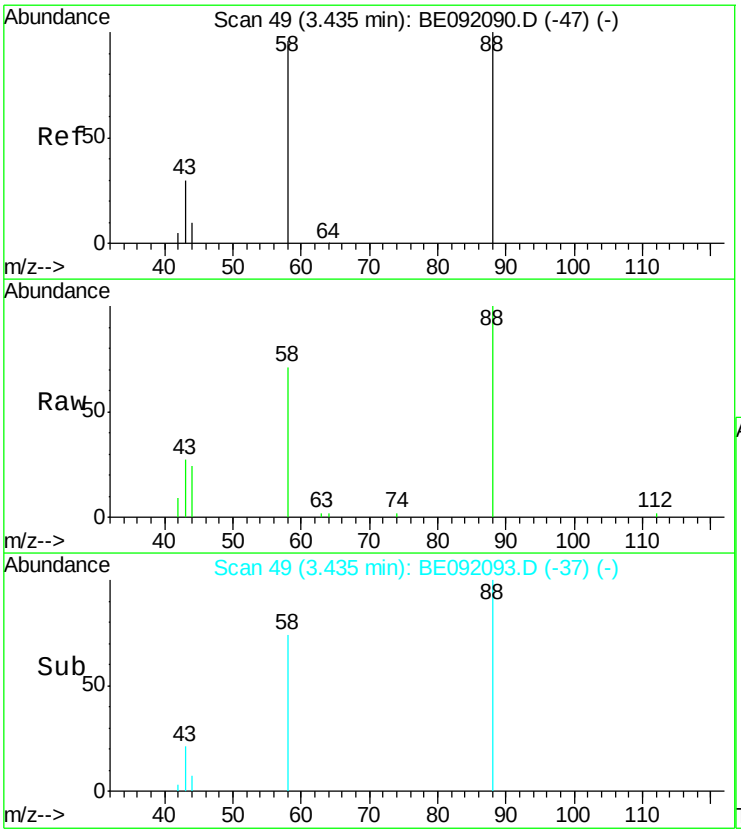
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.18 min Scan# 322
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 9988

Ion	Ratio	Lower	Upper
152	100		
150	142.5	106.0	159.0
115	51.4	36.9	55.3

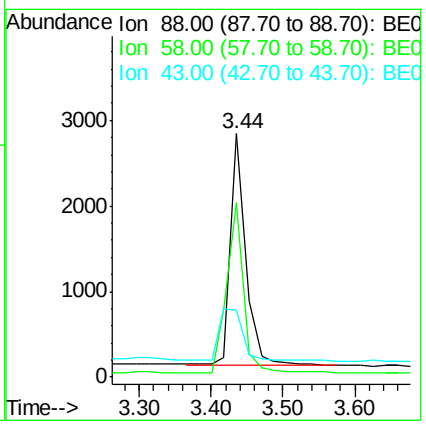


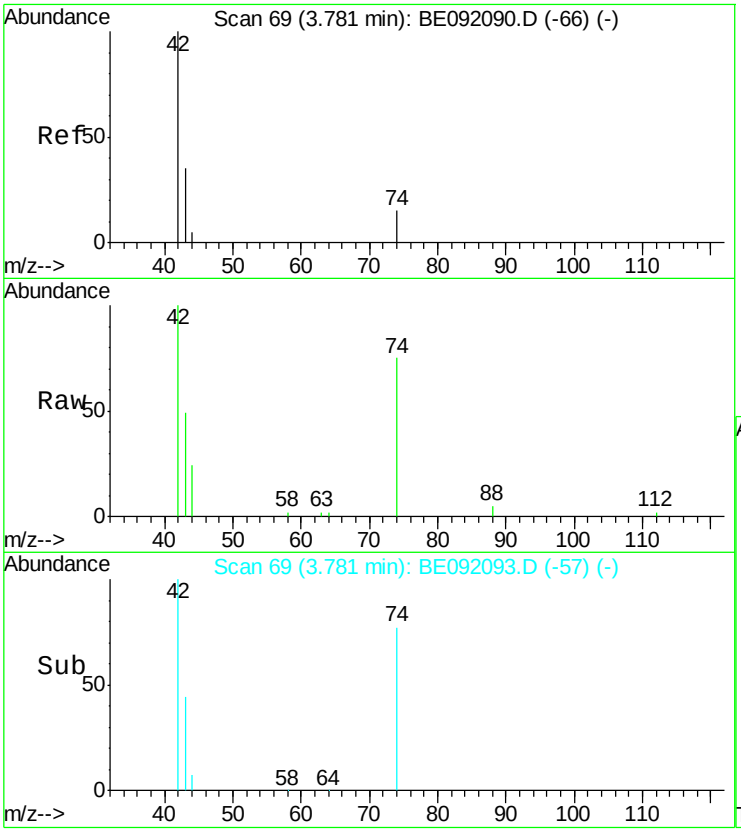


#2
1,4-Dioxane
Concen: 2.87 ng
RT: 3.44 min Scan# 49
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion: 88 Resp: 3936

Ion	Ratio	Lower	Upper
88	100		
58	80.0	62.1	93.1
43	35.1	27.2	40.8



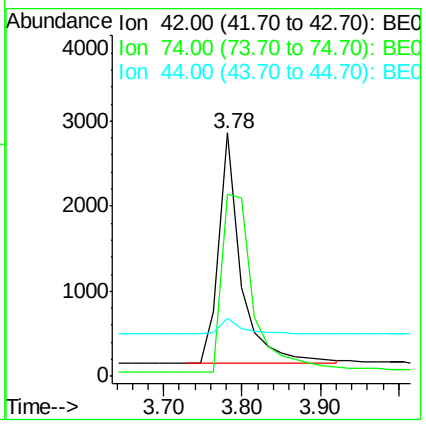


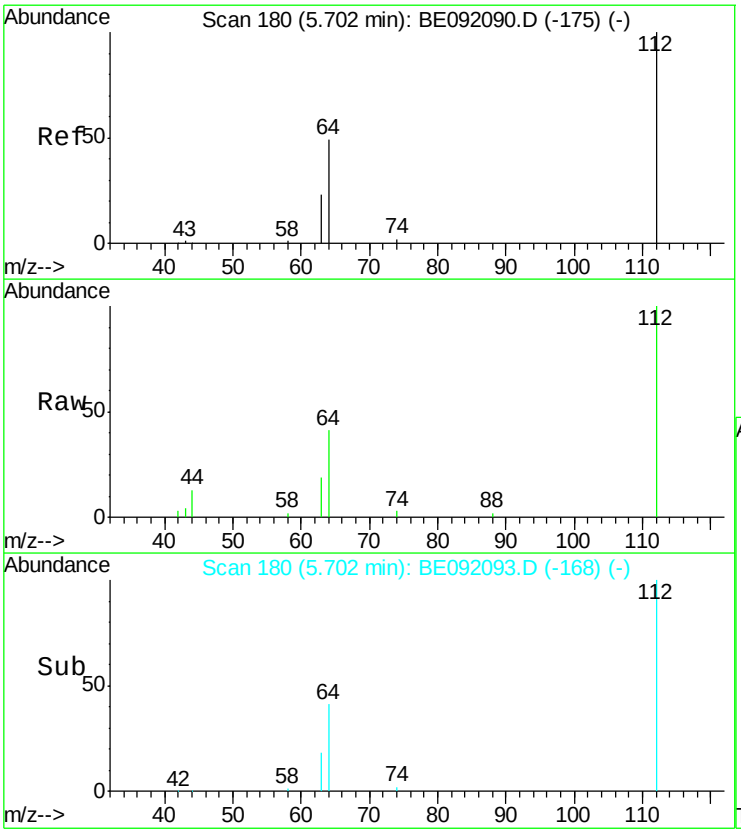
#3
n-Nitrosodimethylamine
Concen: 3.27 ng
RT: 3.78 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 5360

Ion	Ratio	Lower	Upper
42	100		
74	109.3	82.8	124.2
44	7.0	9.0	13.4#

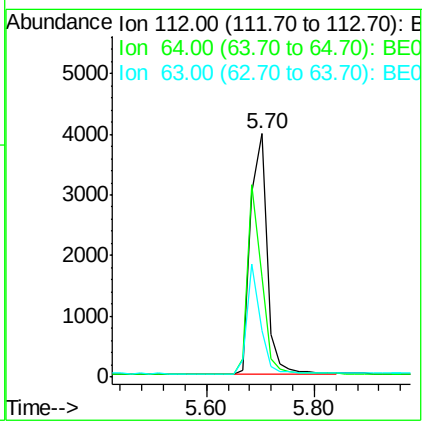


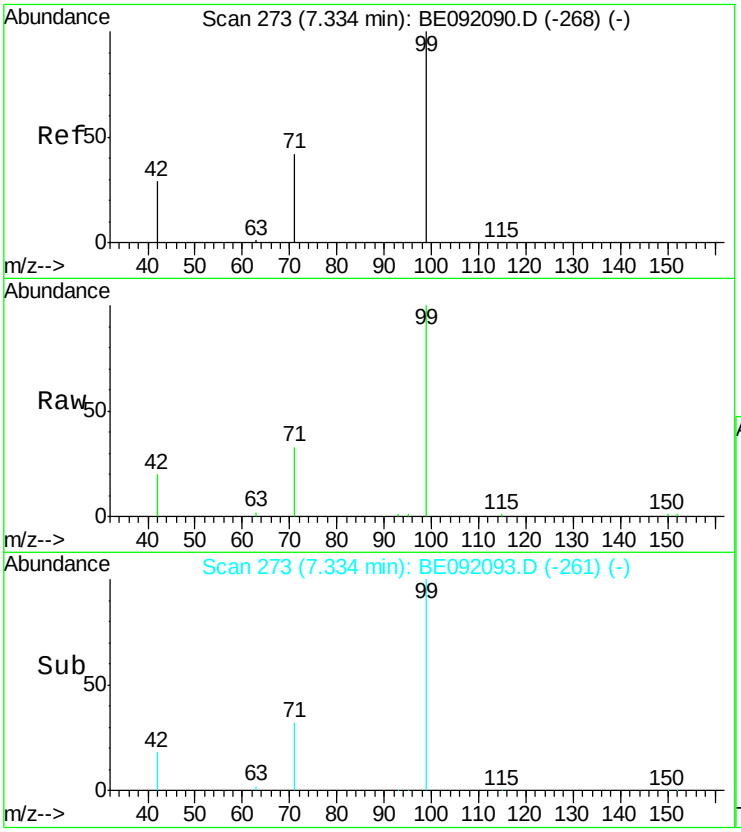


#4
2-Fluorophenol
Concen: 3.77 ng
RT: 5.70 min Scan# 180
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:112 Resp: 8394

Ion	Ratio	Lower	Upper
112	100		
64	67.6	55.9	83.9
63	36.5	31.1	46.7



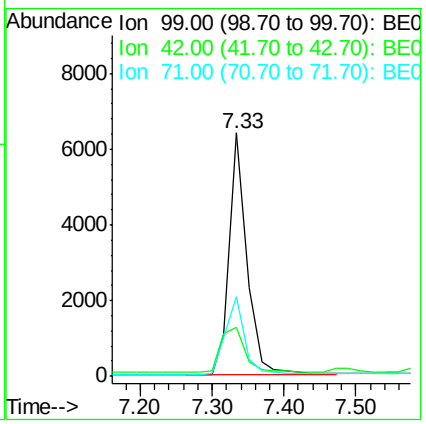


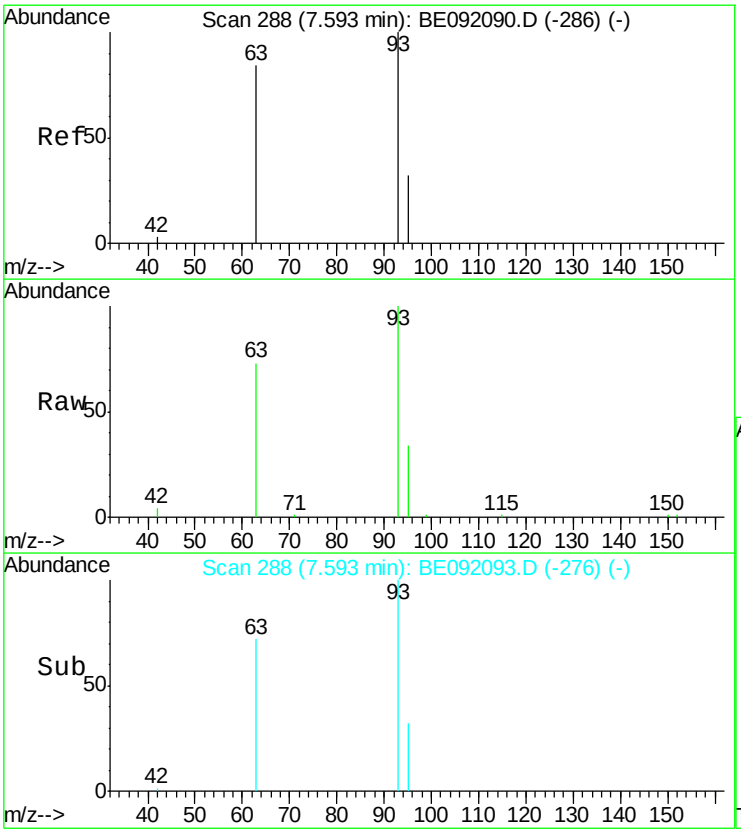
#5
Phenol-d6
Concen: 3.66 ng
RT: 7.33 min Scan# 273
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 10872

Ion	Ratio	Lower	Upper
99	100		
42	25.4	22.4	33.6
71	34.8	28.9	43.3

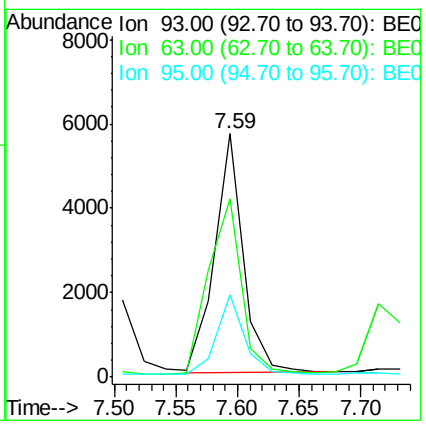


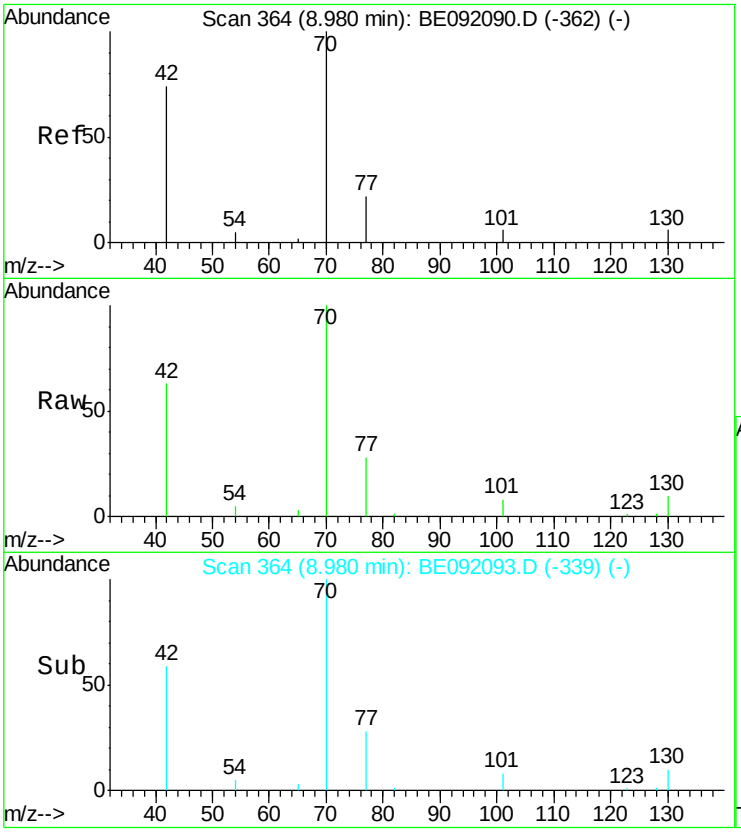


#6
bis(2-Chloroethyl)ether
Concen: 3.19 ng
RT: 7.59 min Scan# 288
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion: 93 Resp: 9174

Ion	Ratio	Lower	Upper
93	100		
63	84.7	64.4	96.6
95	33.1	25.8	38.8



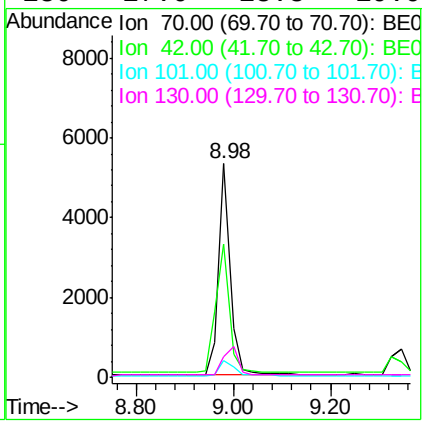


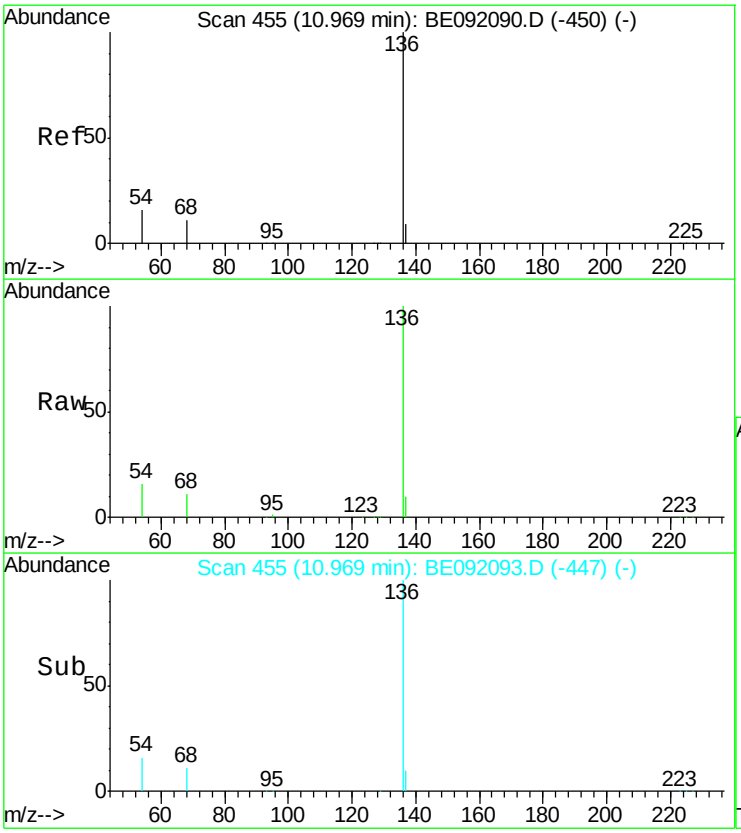
#7
n-Nitroso-di-n-propylamine
Concen: 3.65 ng
RT: 8.98 min Scan# 364
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 70 Resp: 8649

Ion	Ratio	Lower	Upper
70	100		
42	73.4	60.2	90.4
101	8.6	6.8	10.2
130	17.0	13.3	19.9

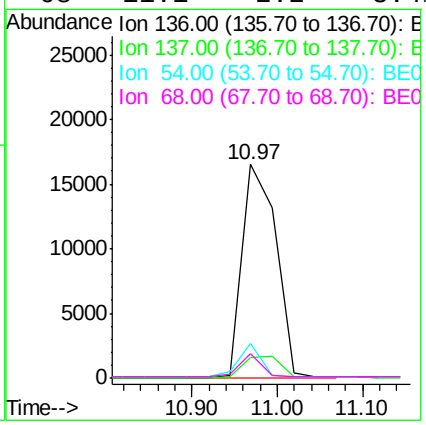


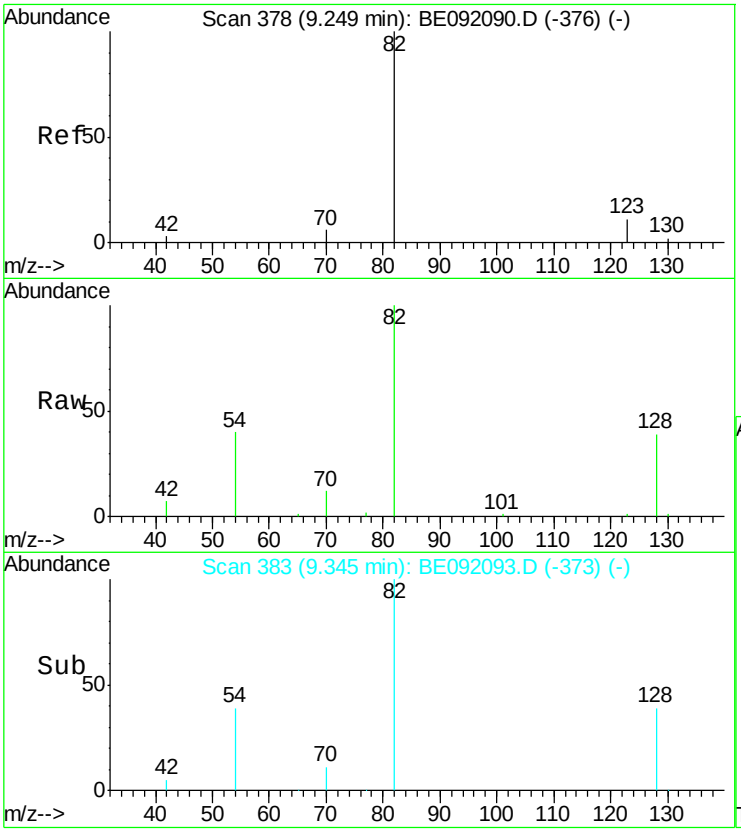


#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.97 min Scan# 455
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:136 Resp: 45144

Ion	Ratio	Lower	Upper
136	100		
137	9.8	9.1	13.7
54	16.0	2.7	4.1#
68	11.1	2.2	3.4#



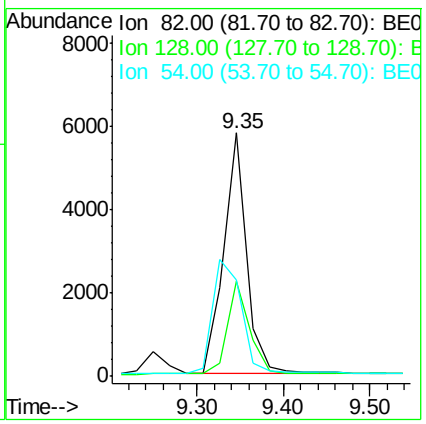


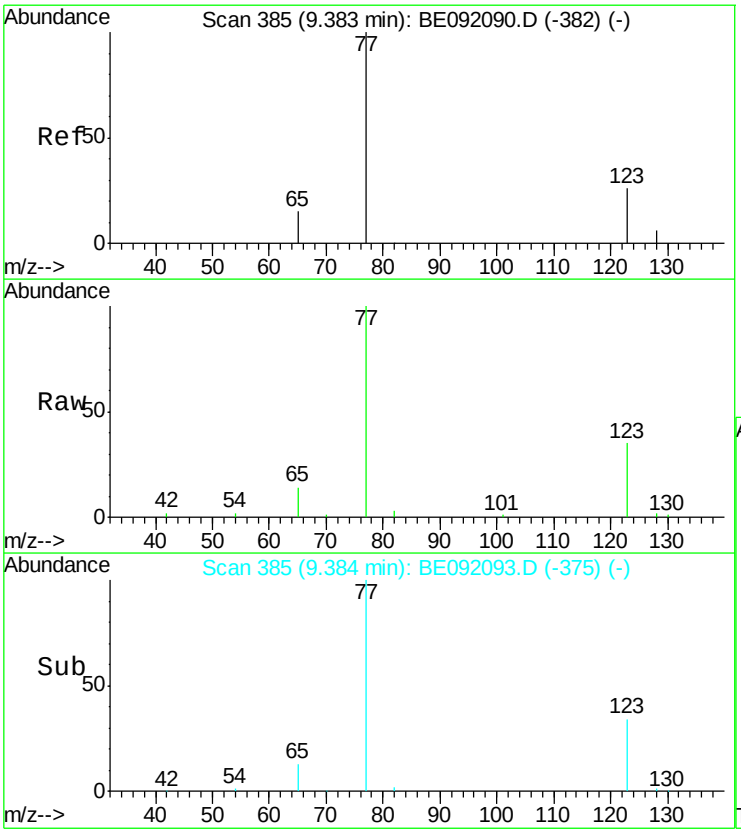
#9
Nitrobenzene-d5
Concen: 3.17 ng
RT: 9.35 min Scan# 383
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 82 Resp: 10660

Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.0	49.4
54	39.8	42.6	63.8#

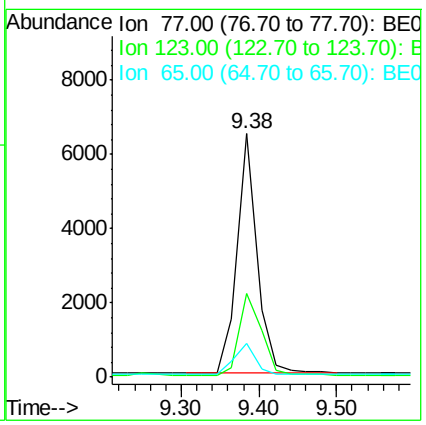


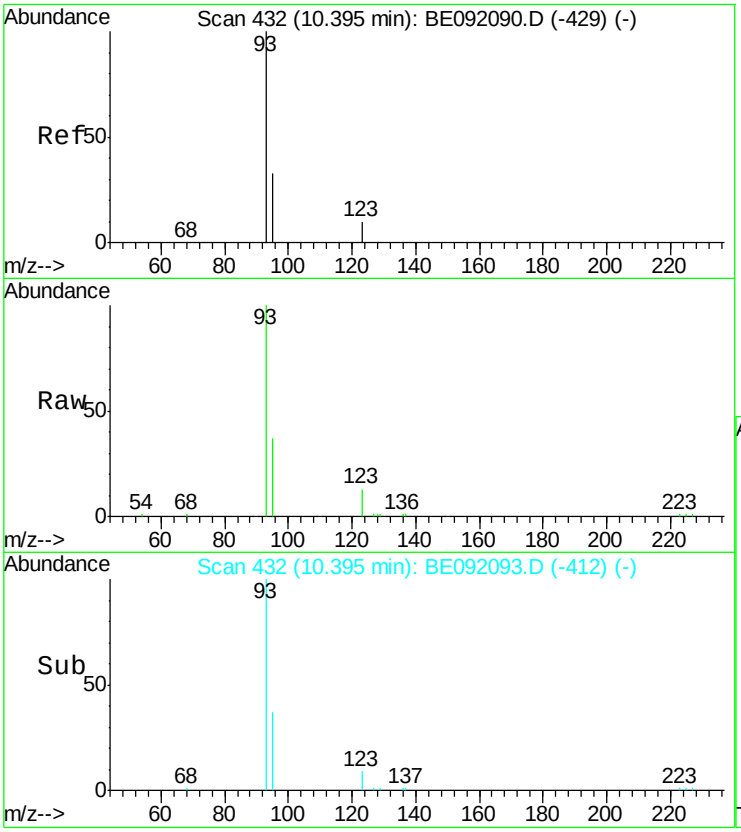


#10
Nitrobenzene
Concen: 3.56 ng
RT: 9.38 min Scan# 385
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion: 77 Resp: 11640

Ion	Ratio	Lower	Upper
77	100		
123	38.2	29.9	44.9
65	13.9	11.4	17.0



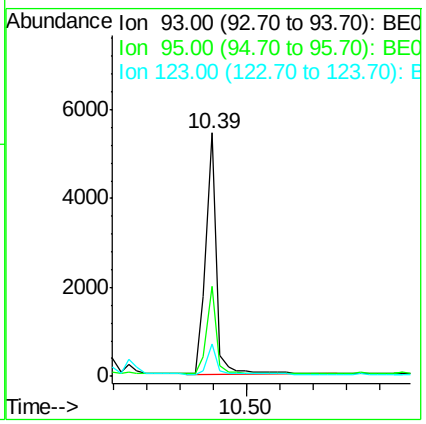


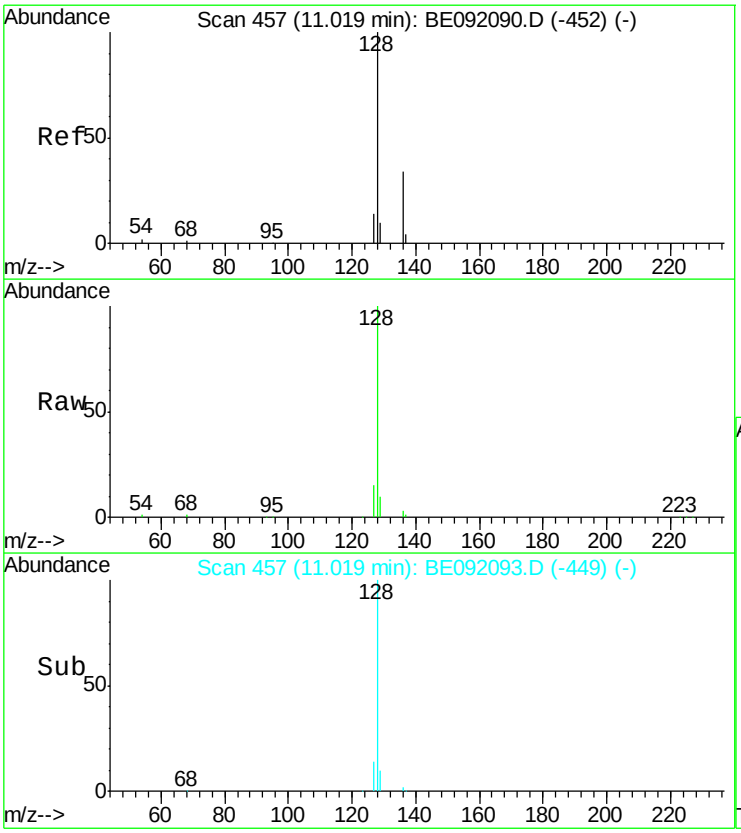
#11
bis(2-Chloroethoxy)methane
Concen: 3.30 ng
RT: 10.39 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 93 Resp: 12424

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.0	37.6
123	10.1	7.8	11.8

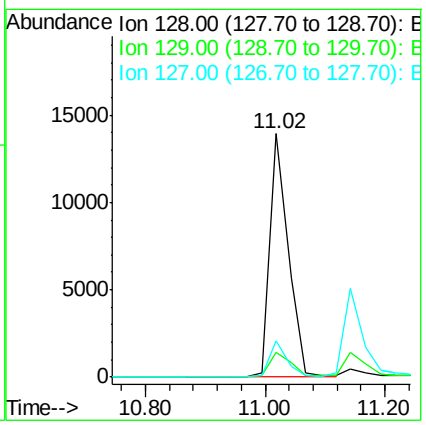


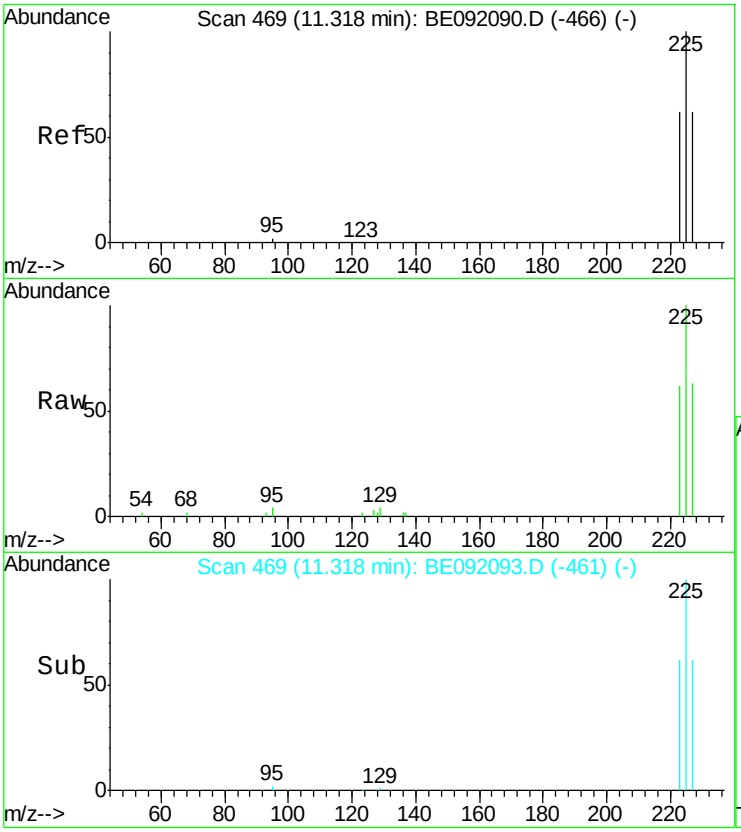


#12
Naphthalene
Concen: 3.02 ng
RT: 11.02 min Scan# 457
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:128 Resp: 29904

Ion	Ratio	Lower	Upper
128	100		
129	10.4	11.1	16.7#
127	14.7	11.3	16.9

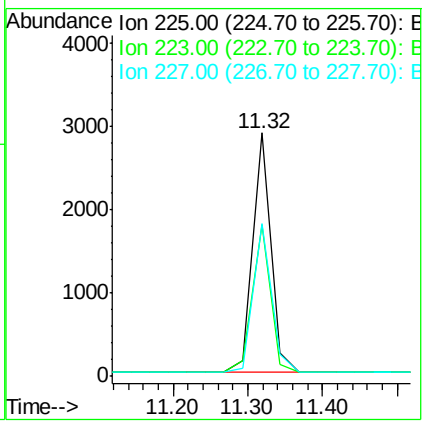




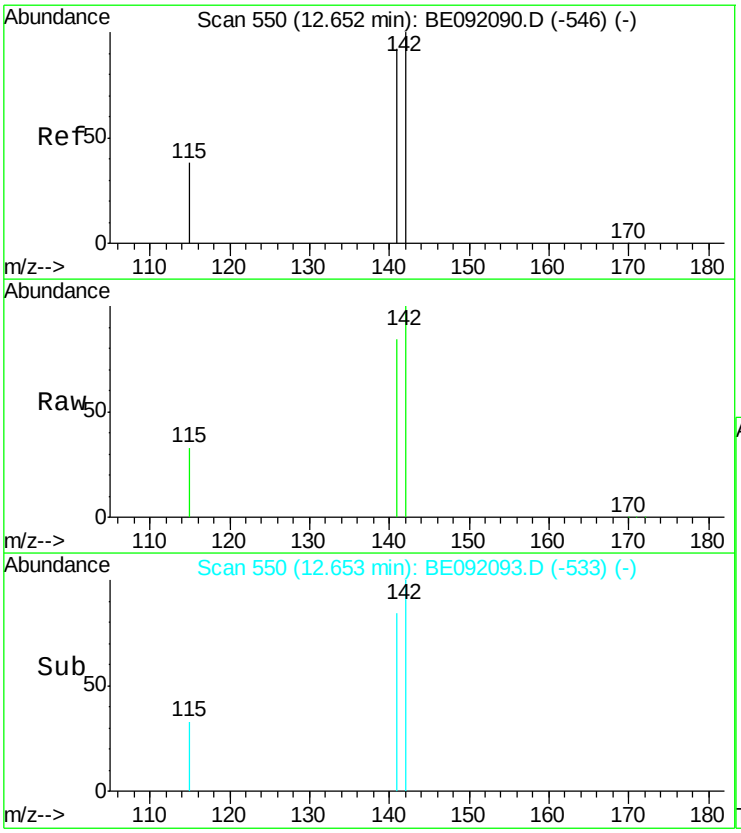
#13
Hexachlorobutadiene
Concen: 3.30 ng
RT: 11.32 min Scan# 469
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:225 Resp: 4894

Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.9	77.9
227	63.6	0.0	0.0#



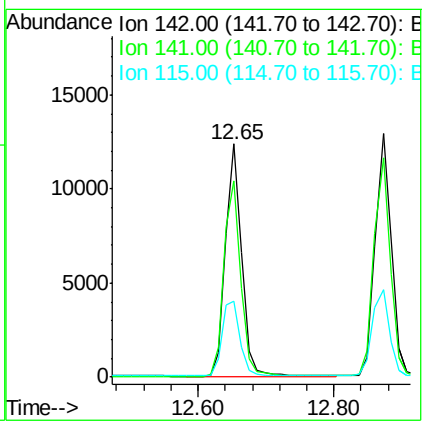
Instrument :
BNA_E
ClientSampleId :

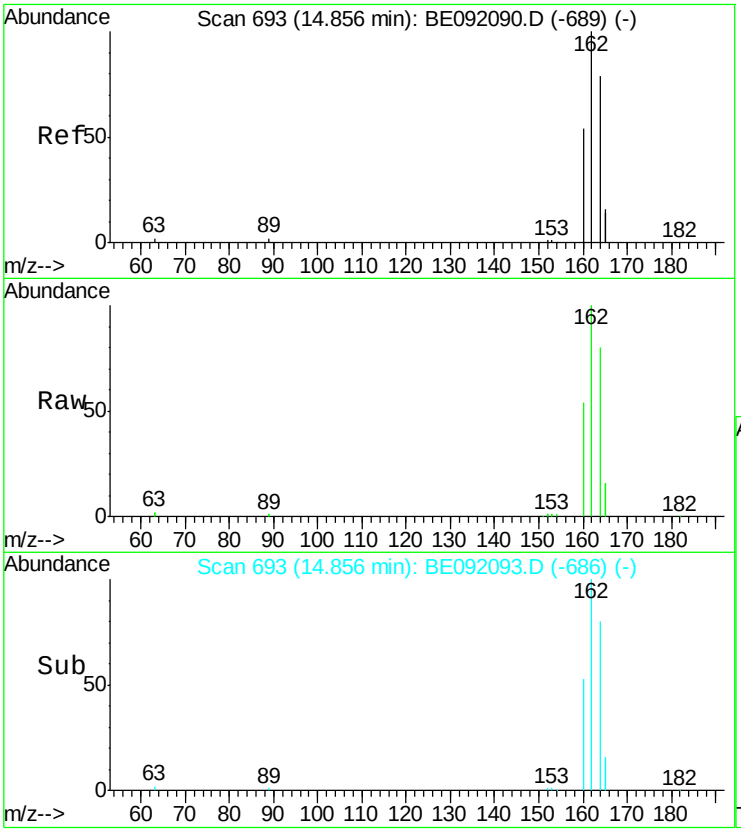


#14
2-Methylnaphthalene
Concen: 3.27 ng
RT: 12.65 min Scan# 550
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:142 Resp: 20874

Ion	Ratio	Lower	Upper
142	100		
141	84.2	65.1	97.7
115	32.9	27.0	40.4



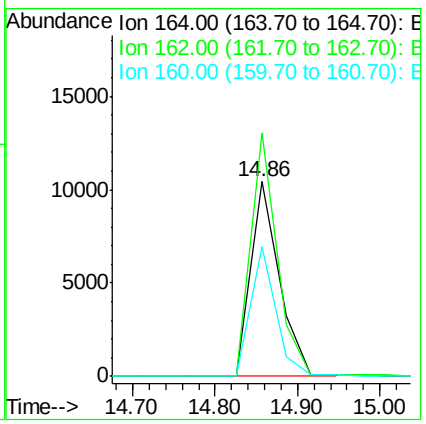


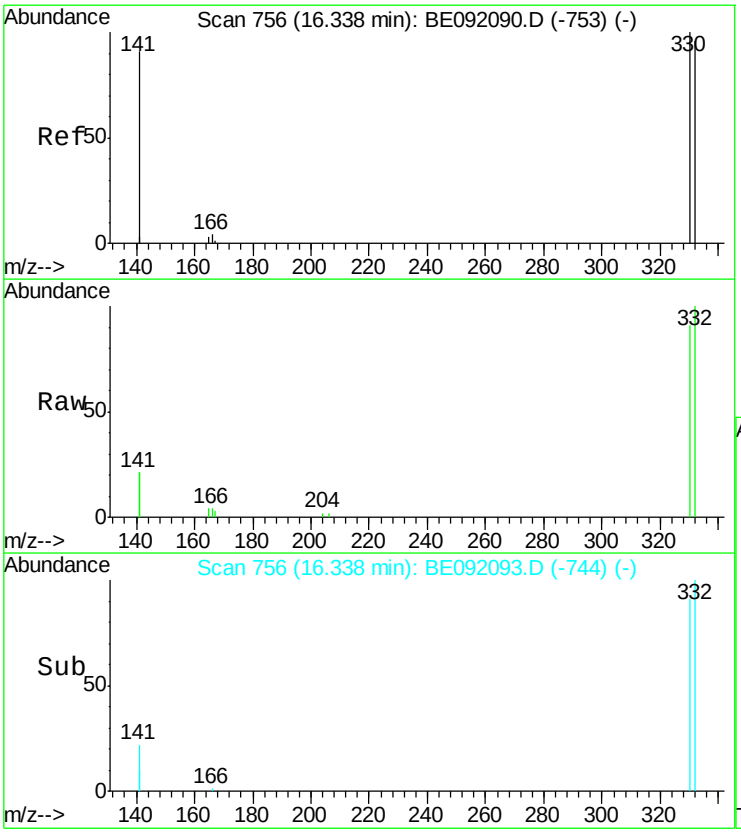
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 693
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 24724

Ion	Ratio	Lower	Upper
164	100		
162	125.2	69.5	104.3#
160	67.0	27.6	41.4#

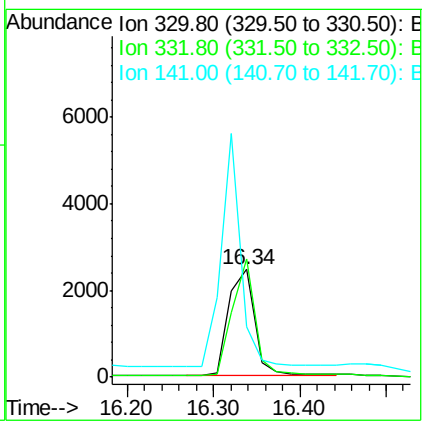


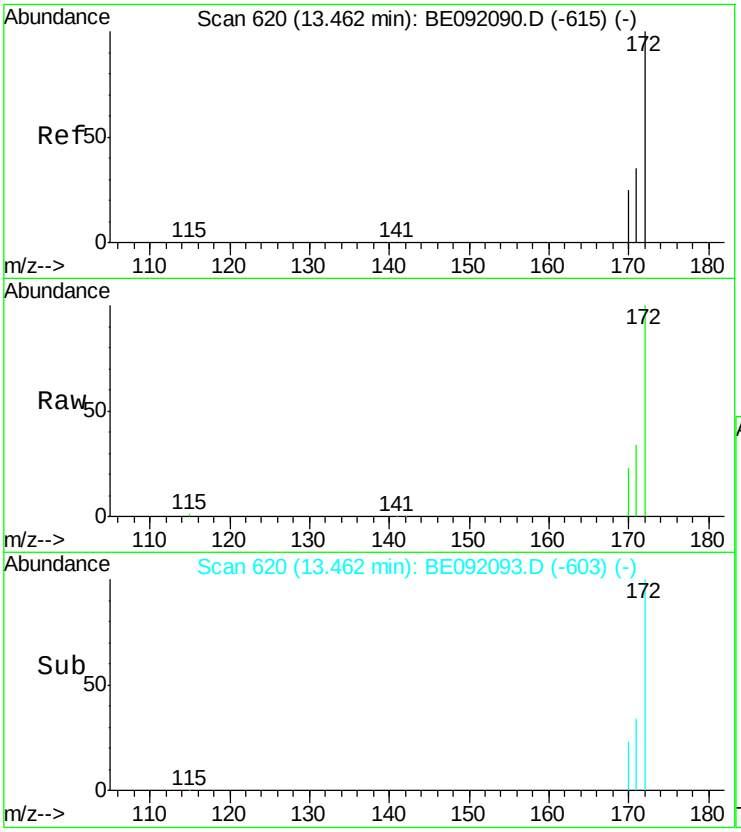


#16
2,4,6-Tribromophenol
Concen: 5.86 ng
RT: 16.34 min Scan# 756
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:330 Resp: 5081

Ion	Ratio	Lower	Upper
330	100		
332	95.8	74.2	111.4
141	169.2	139.8	209.8



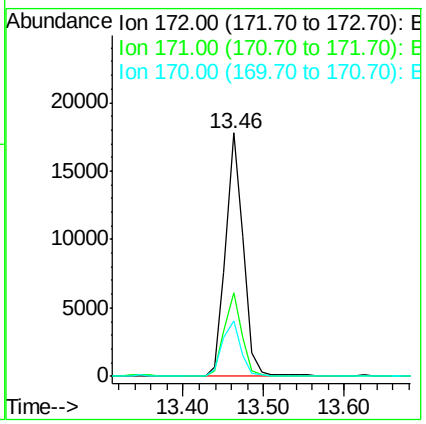


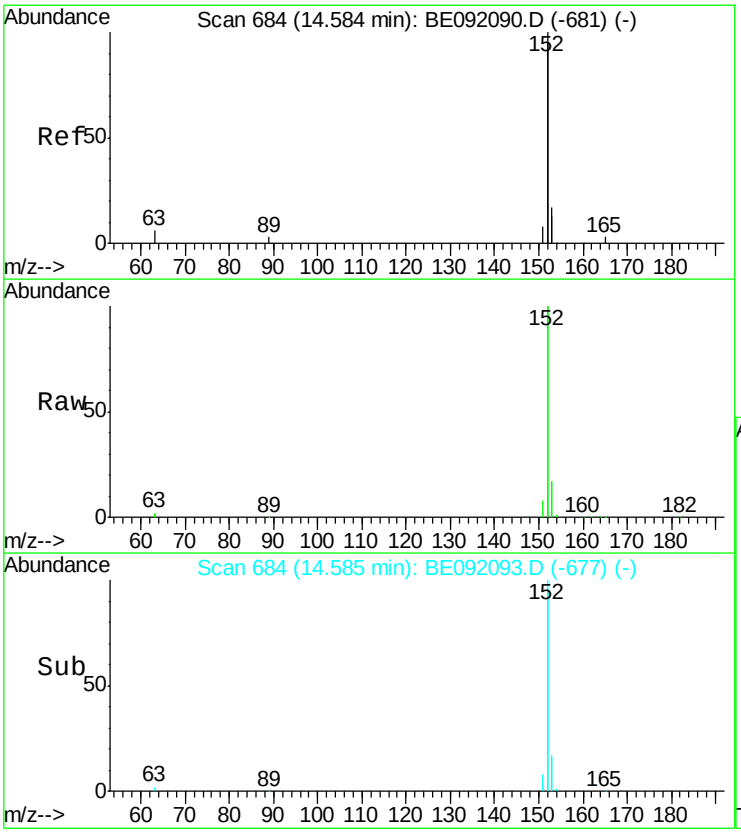
#17
2-Fluorobiphenyl
Concen: 2.69 ng
RT: 13.46 min Scan# 620
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 26645

Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.3	45.5
170	22.9	21.6	32.4

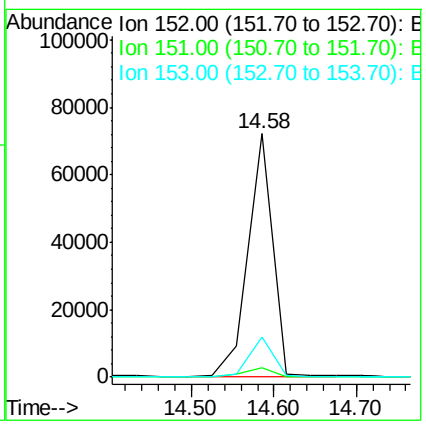


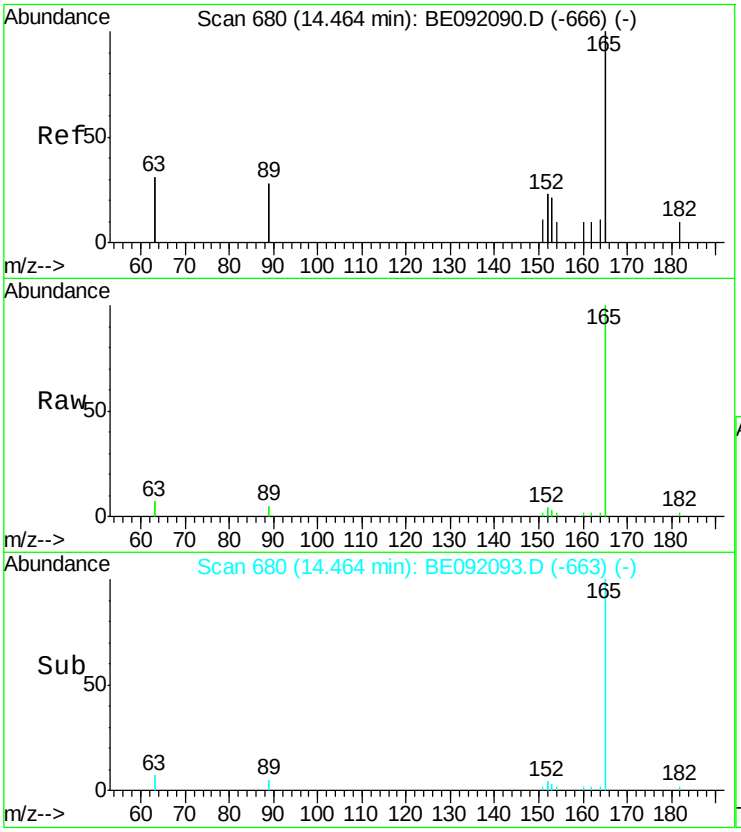


#18
Acenaphthylene
Concen: 2.33 ng
RT: 14.58 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:152 Resp: 149217

Ion	Ratio	Lower	Upper
152	100		
151	4.3	4.0	6.0
153	15.1	9.6	14.4#



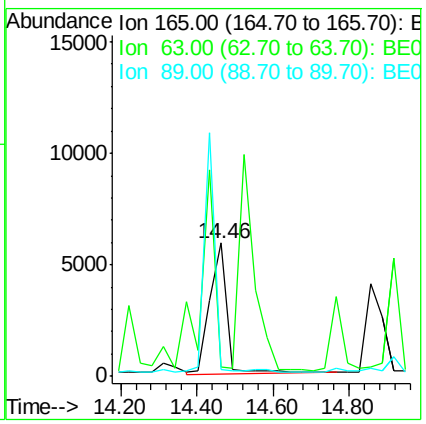


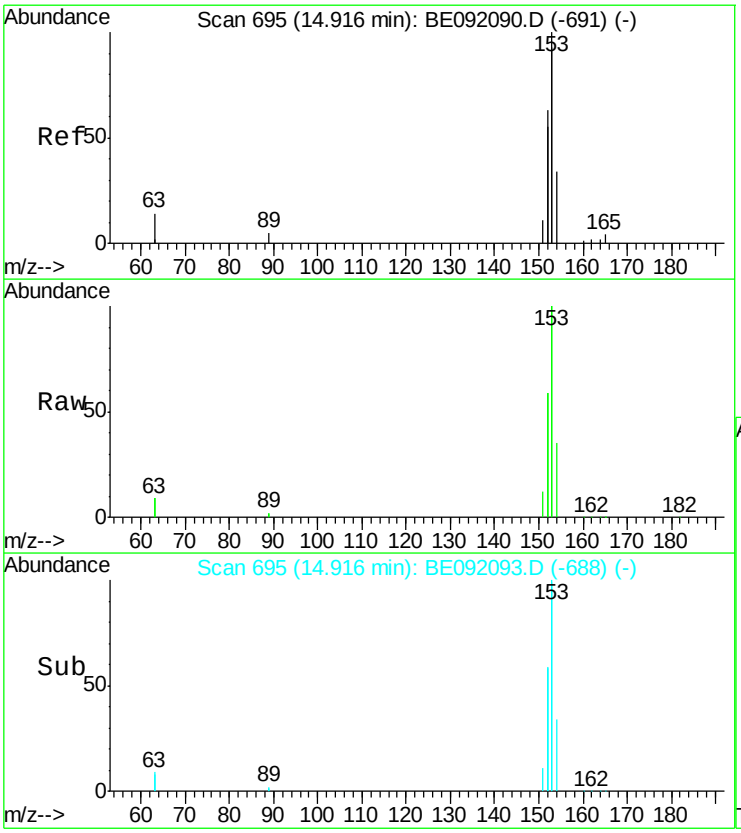
#19
2,6-Dinitrotoluene
Concen: 2.72 ng
RT: 14.46 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:165 Resp: 17919

Ion	Ratio	Lower	Upper
165	100		
63	0.0	0.0	0.0
89	0.0	0.0	0.0

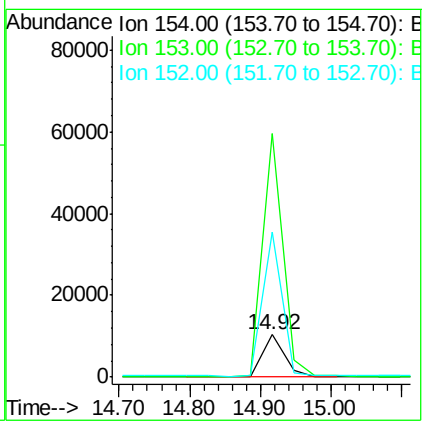


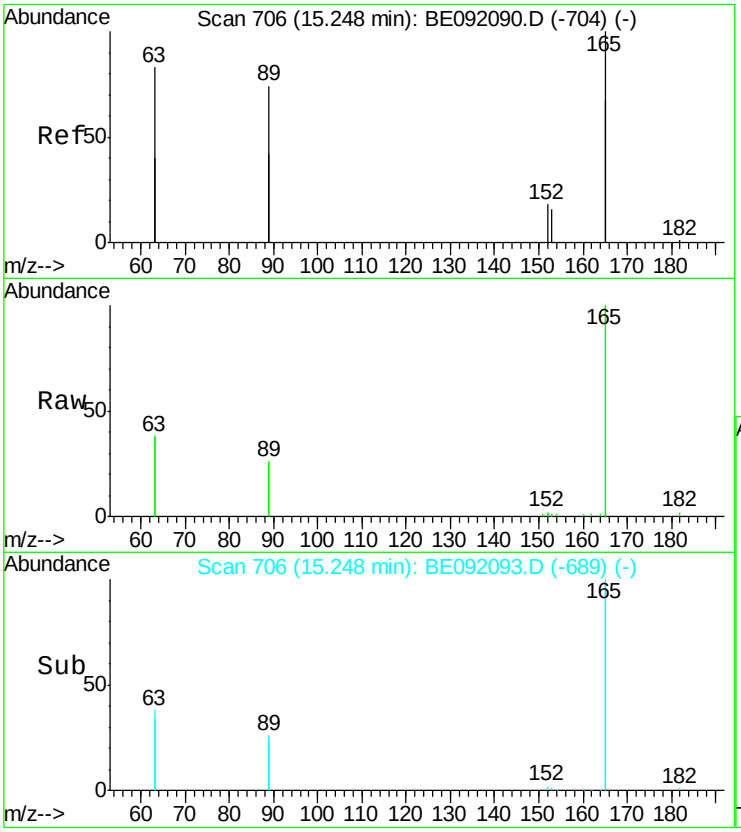


#20
Acenaphthene
Concen: 3.19 ng
RT: 14.92 min Scan# 695
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:154 Resp: 21554

Ion	Ratio	Lower	Upper
154	100		
153	532.8	345.1	517.7#
152	303.9	0.0	0.0#



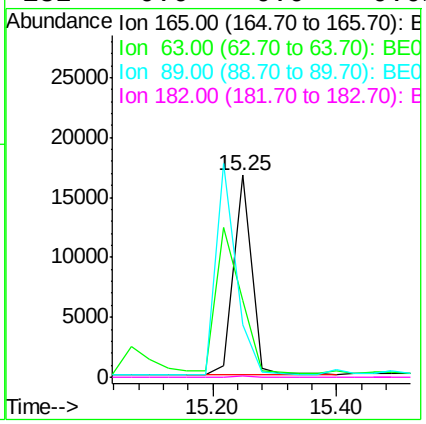


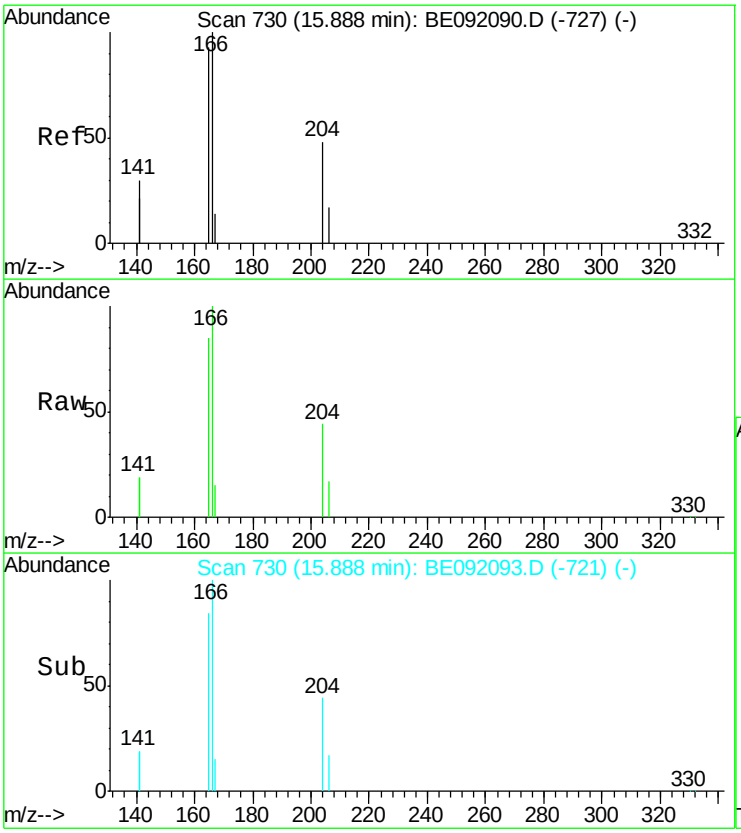
#21
2,4-Dinitrotoluene
Concen: 3.96 ng
RT: 15.25 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:165 Resp: 32969

Ion	Ratio	Lower	Upper
165	100		
63	0.0	324.0	486.0#
89	0.0	308.4	462.6#
182	0.6	0.0	0.0#

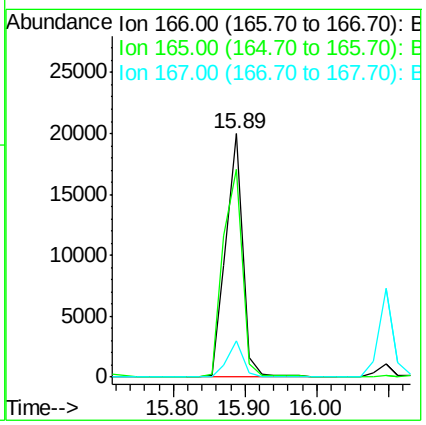


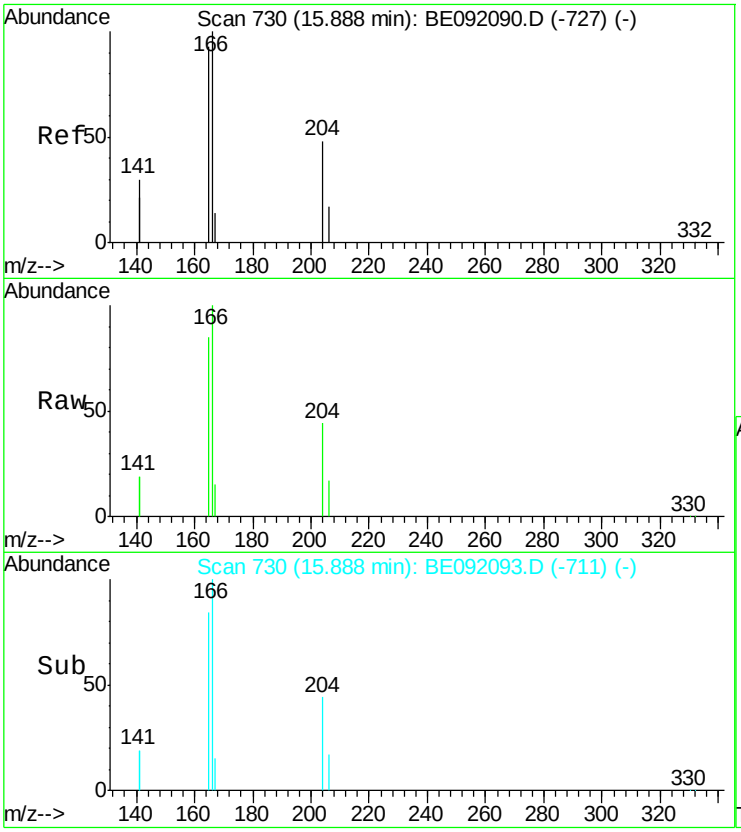


#22
Fluorene
Concen: 3.04 ng
RT: 15.89 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:166 Resp: 32221

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.6	118.0
167	13.6	11.1	16.7



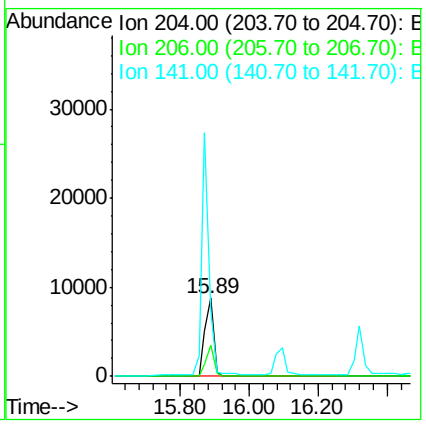


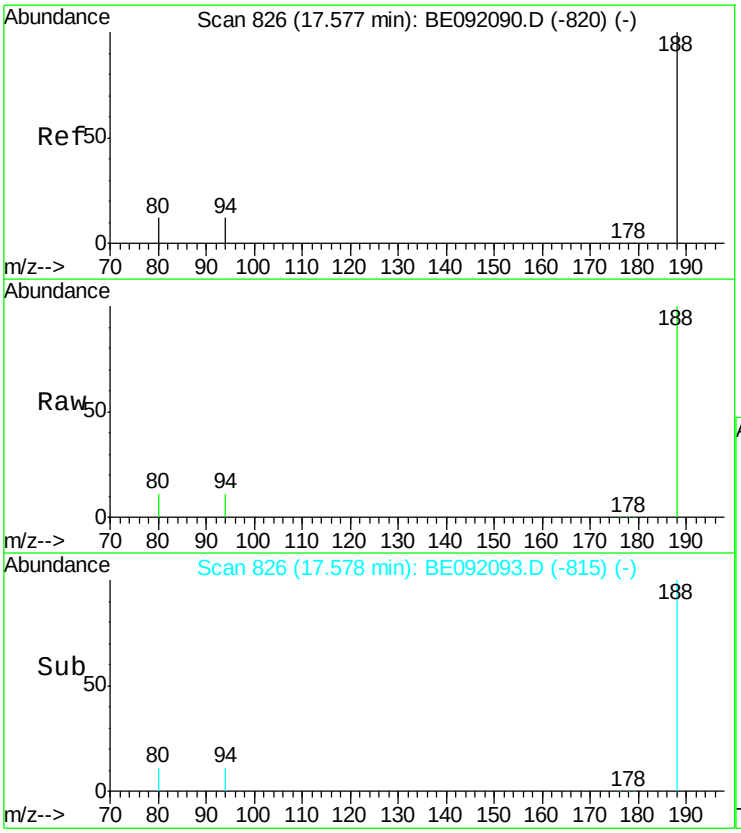
#23
4-Chlorophenyl-phenylether
Concen: 2.89 ng
RT: 15.89 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:204 Resp: 15051

Ion	Ratio	Lower	Upper
204	100		
206	36.3	27.0	40.4
141	321.6	198.5	297.7#

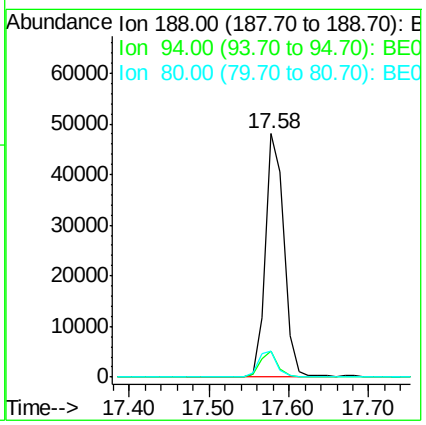


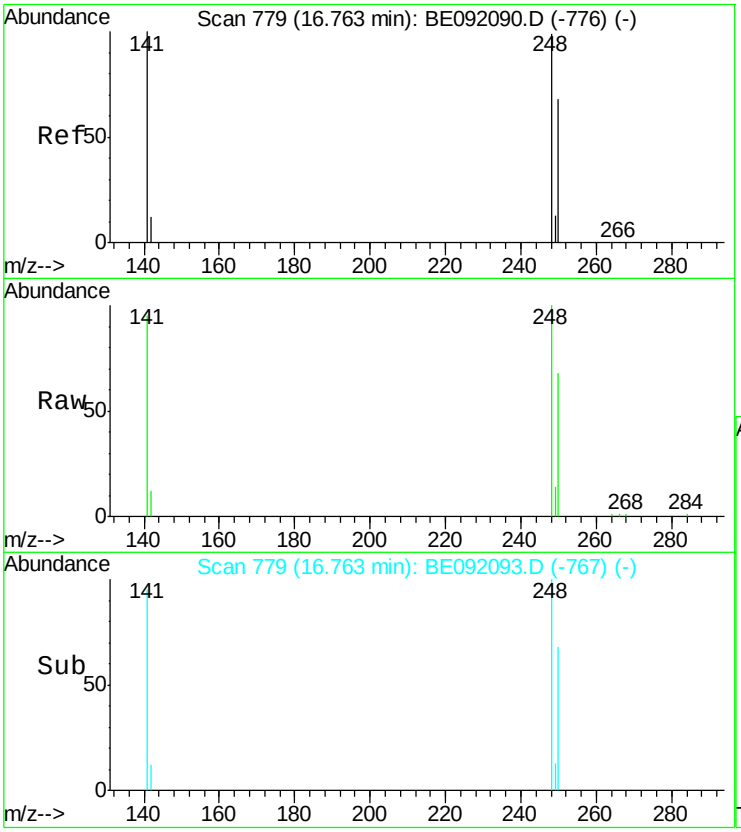


#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:188 Resp: 95964

Ion	Ratio	Lower	Upper
188	100		
94	10.8	3.9	5.9#
80	10.7	3.4	5.0#



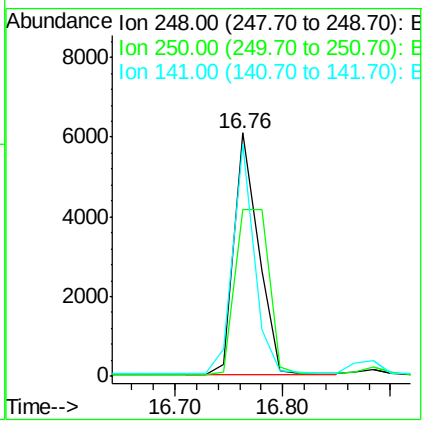


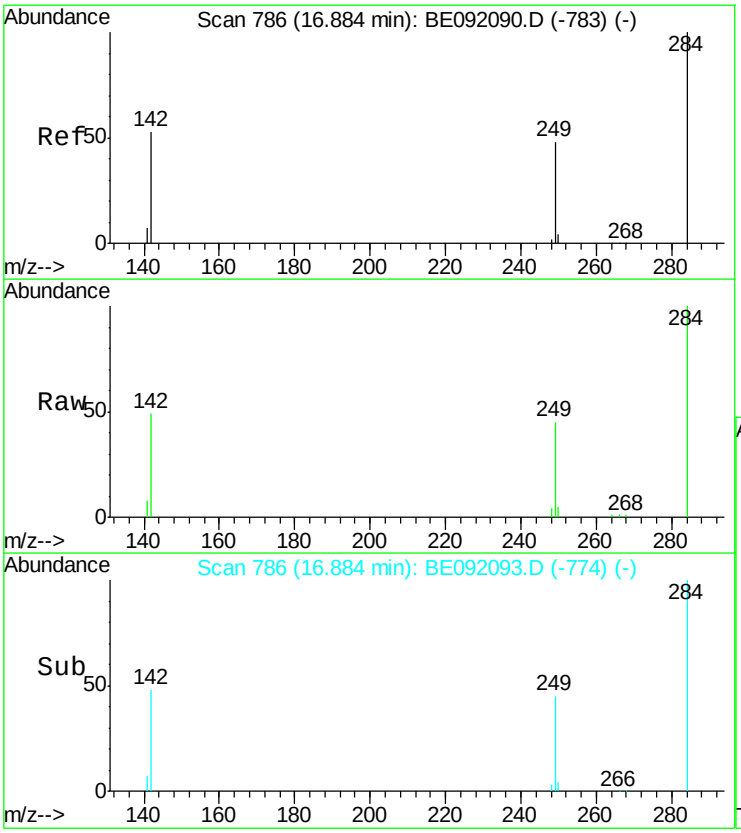
#25
4-Bromophenyl-phenylether
Concen: 2.39 ng
RT: 16.76 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:248 Resp: 9434

Ion	Ratio	Lower	Upper
248	100		
250	94.7	79.6	119.4
141	83.5	68.7	103.1

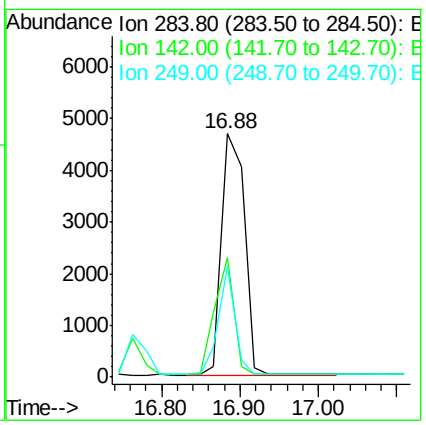


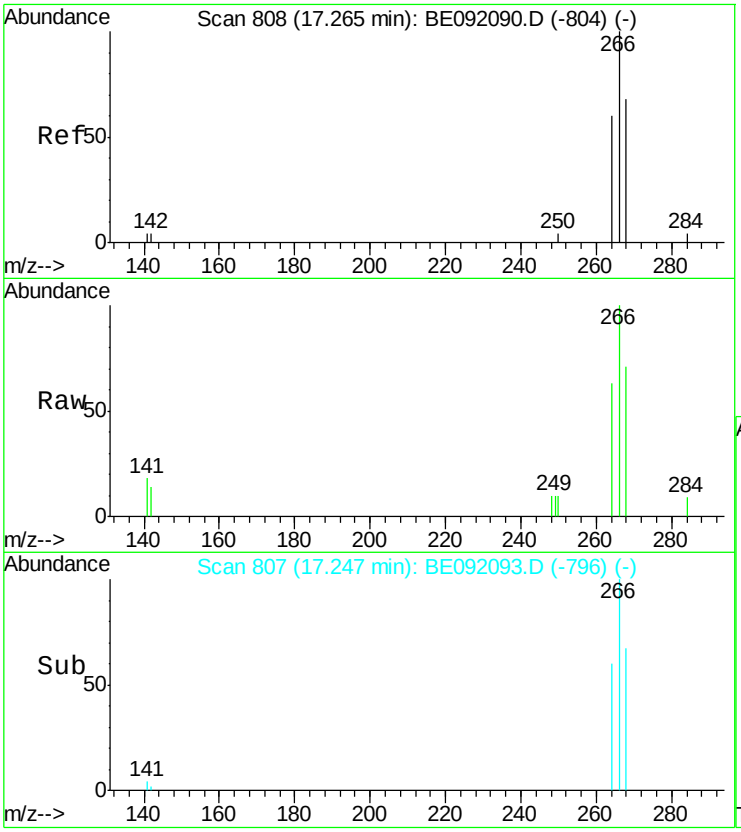


#26
Hexachlorobenzene
Concen: 2.30 ng
RT: 16.88 min Scan# 786
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:284 Resp: 9400

Ion	Ratio	Lower	Upper
284	100		
142	40.2	33.3	49.9
249	32.1	25.4	38.0



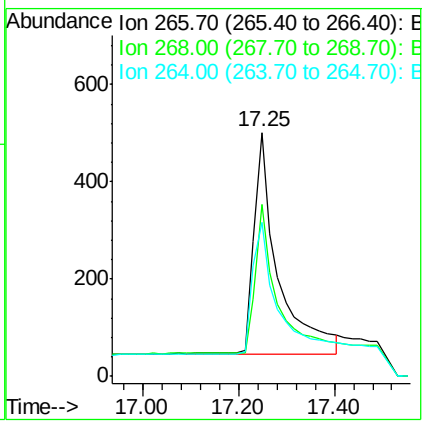


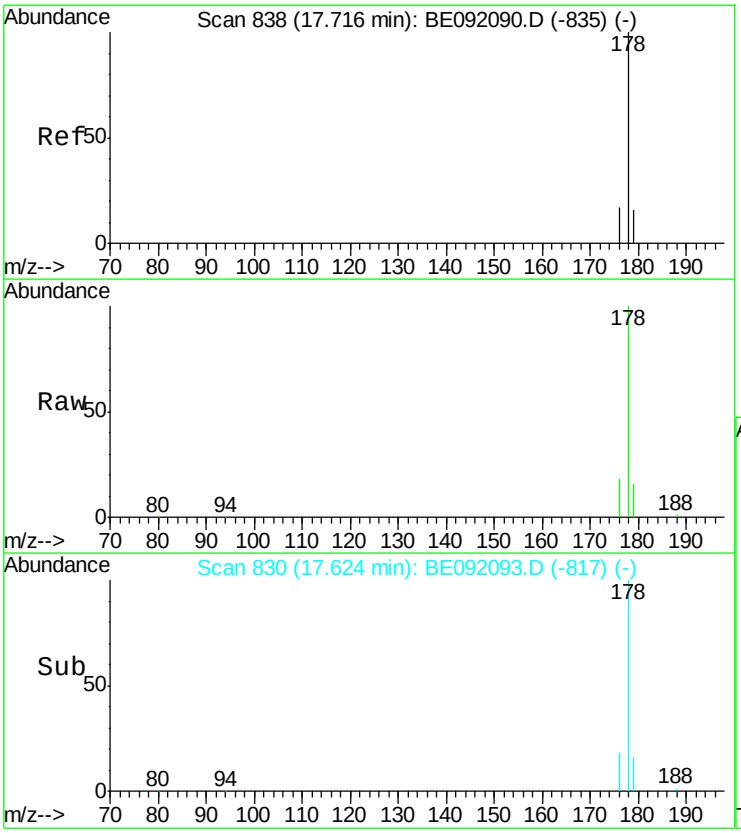
#27
Pentachlorophenol
Concen: 1.39 ng
RT: 17.25 min Scan# 807
Delta R.T. -0.02 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:266 Resp: 1590

Ion	Ratio	Lower	Upper
266	100		
268	70.7	62.7	94.1
264	63.3	63.5	95.3#

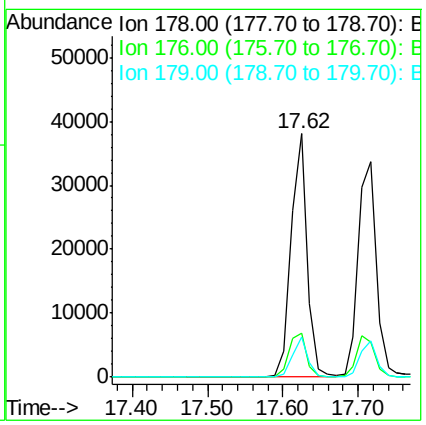


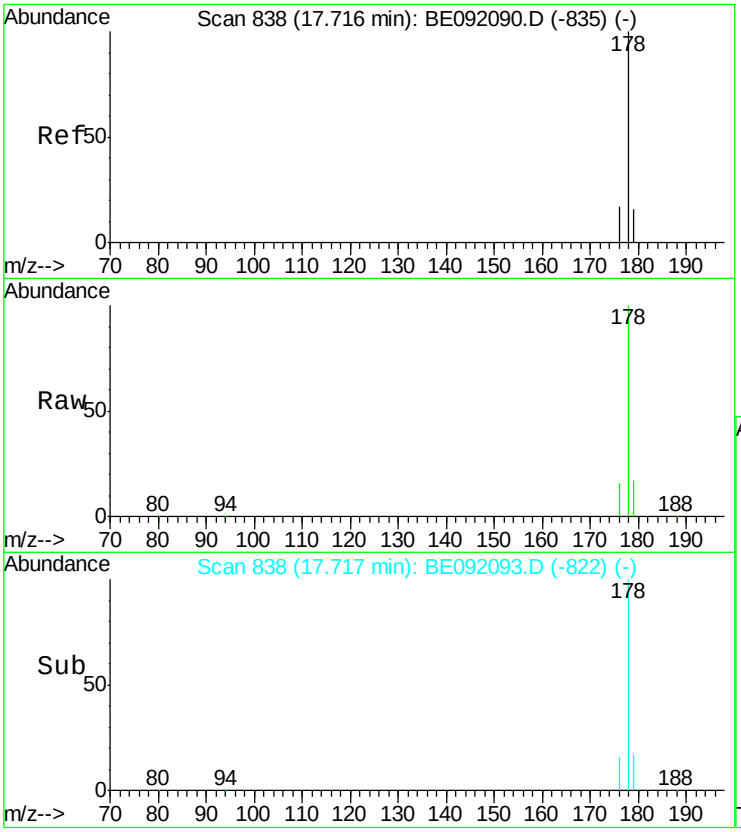


#28
Phenanthrene
Concen: 2.86 ng
RT: 17.62 min Scan# 830
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:178 Resp: 69668

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.0
179	16.3	12.7	19.1



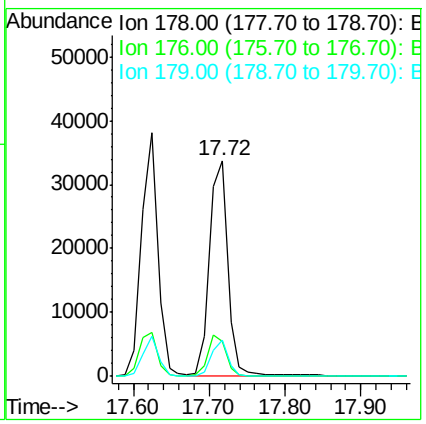


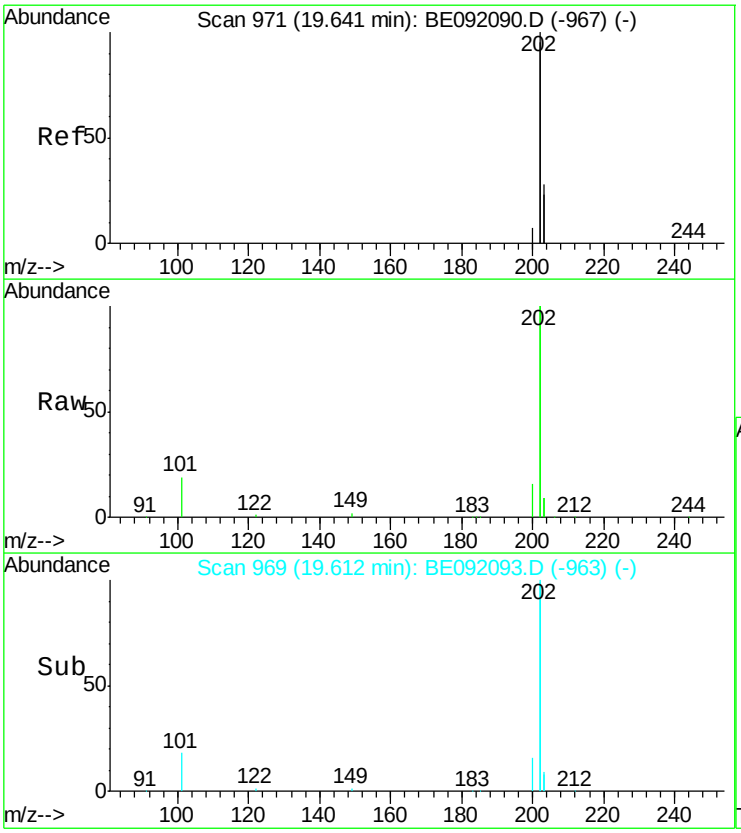
#29
Anthracene
Concen: 2.55 ng
RT: 17.72 min Scan# 838
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 56468

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.4	12.2	18.4

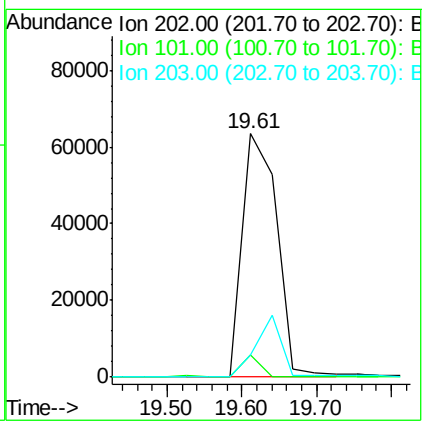


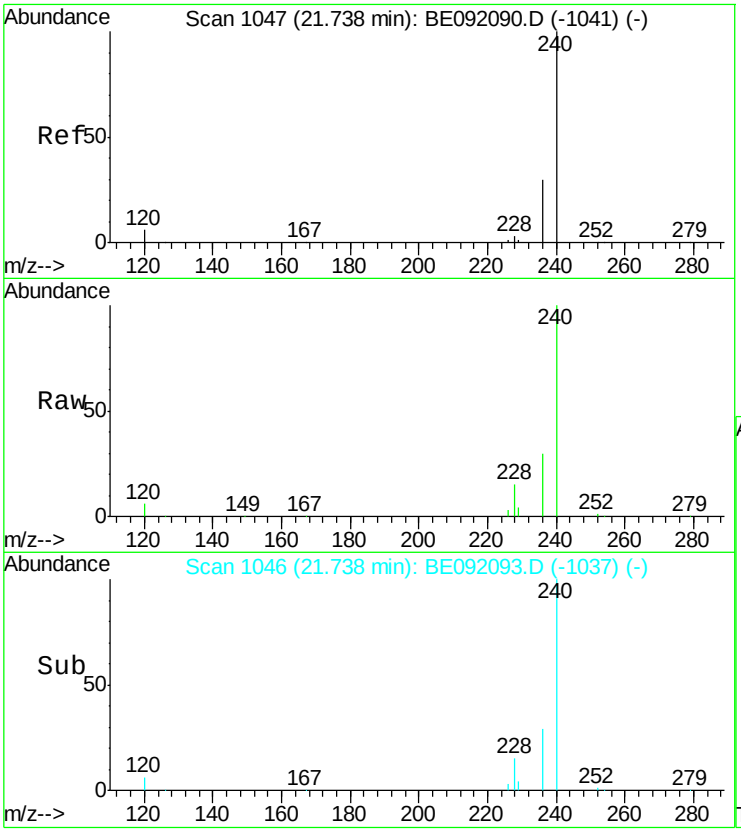


#30
Fluoranthene
Concen: 1.88 ng
RT: 19.61 min Scan# 969
Delta R.T. -0.03 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:202 Resp: 204383

Ion	Ratio	Lower	Upper
202	100		
101	5.2	2.2	3.2#
203	0.0	13.0	19.4#



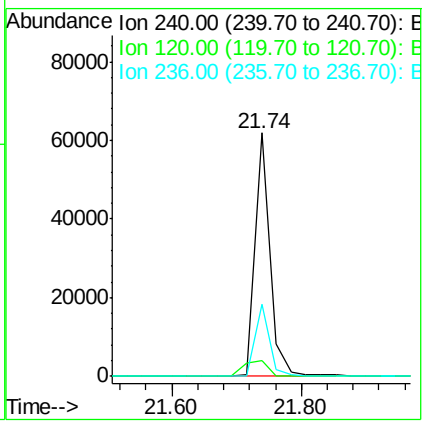


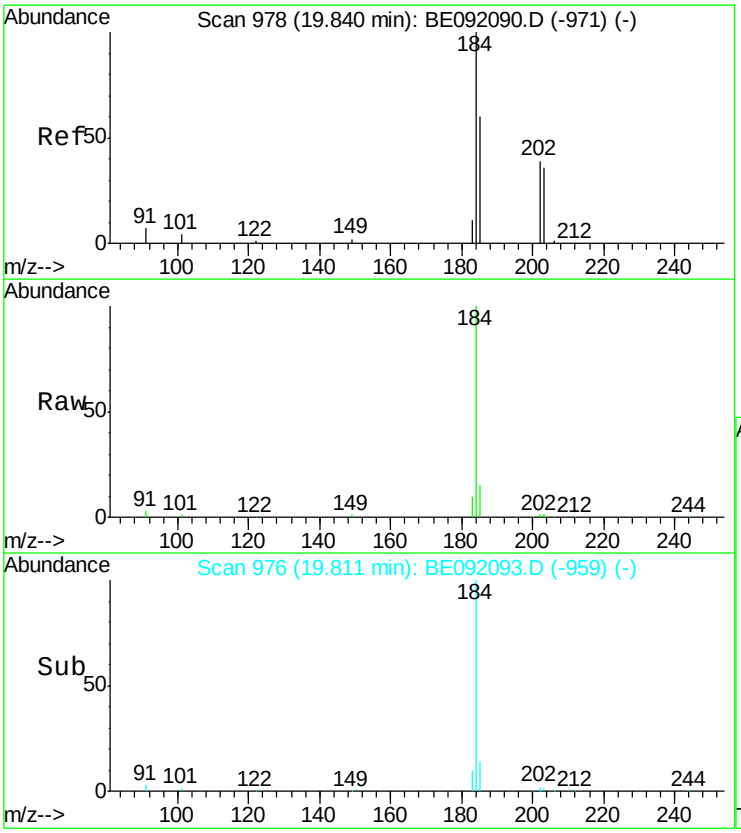
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.74 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 100615

Ion	Ratio	Lower	Upper
240	100		
120	6.4	0.6	1.0#
236	29.5	18.2	27.4#

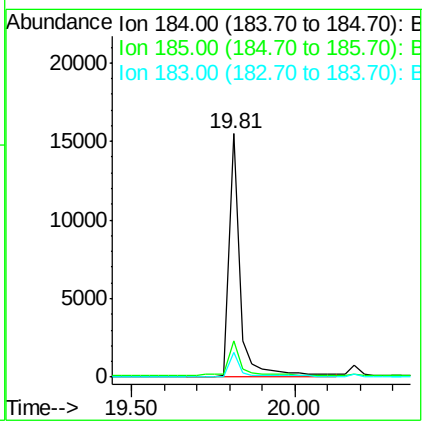


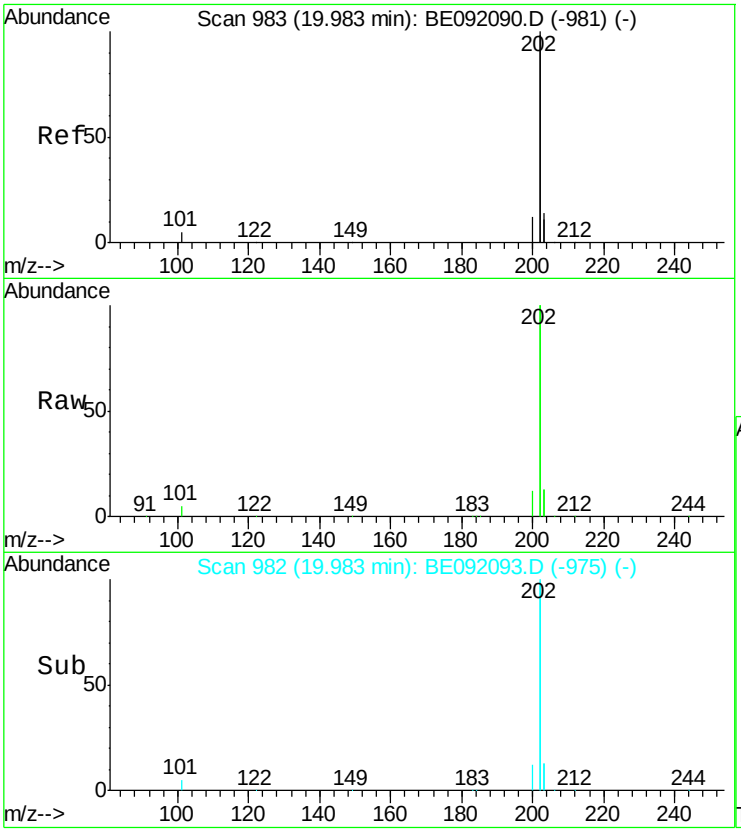


#32
Benzidine
Concen: 7.16 ng
RT: 19.81 min Scan# 976
Delta R.T. -0.03 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:184 Resp: 35454

Ion	Ratio	Lower	Upper
184	100		
185	14.7	23.8	35.6#
183	10.3	20.7	31.1#



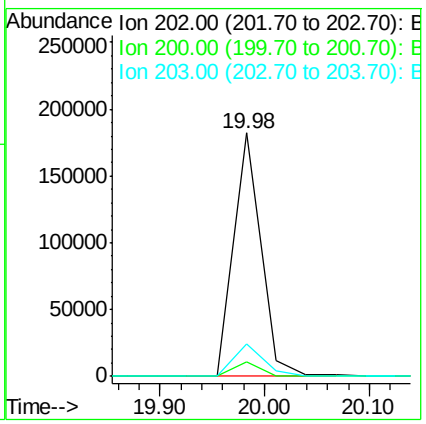


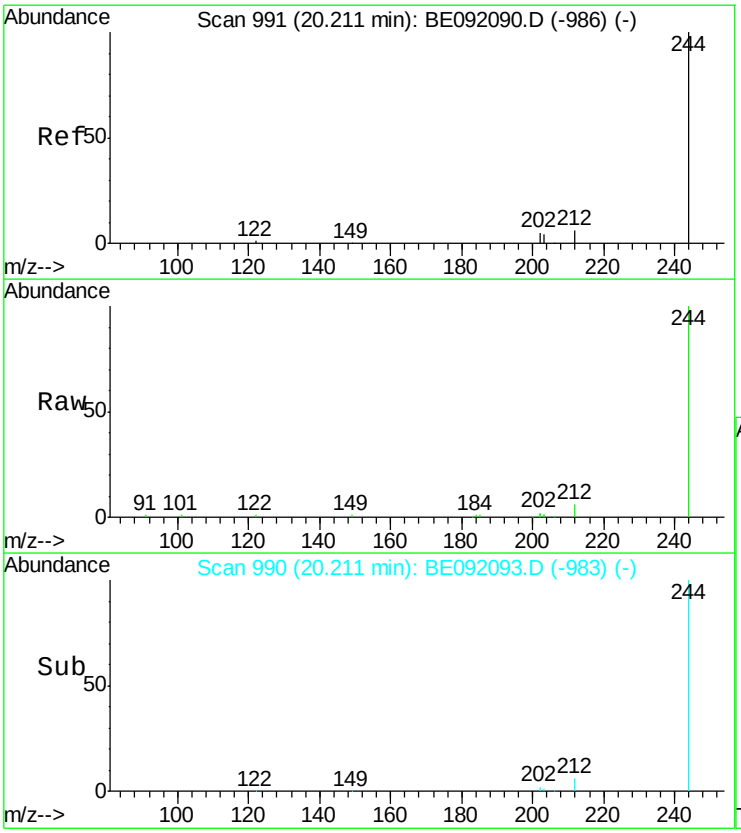
#33
Pyrene
Concen: 2.58 ng
RT: 19.98 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 334653

Ion	Ratio	Lower	Upper
202	100		
200	5.8	4.4	6.6
203	14.4	13.4	20.0

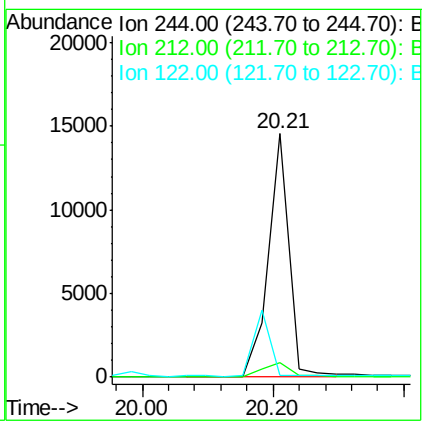


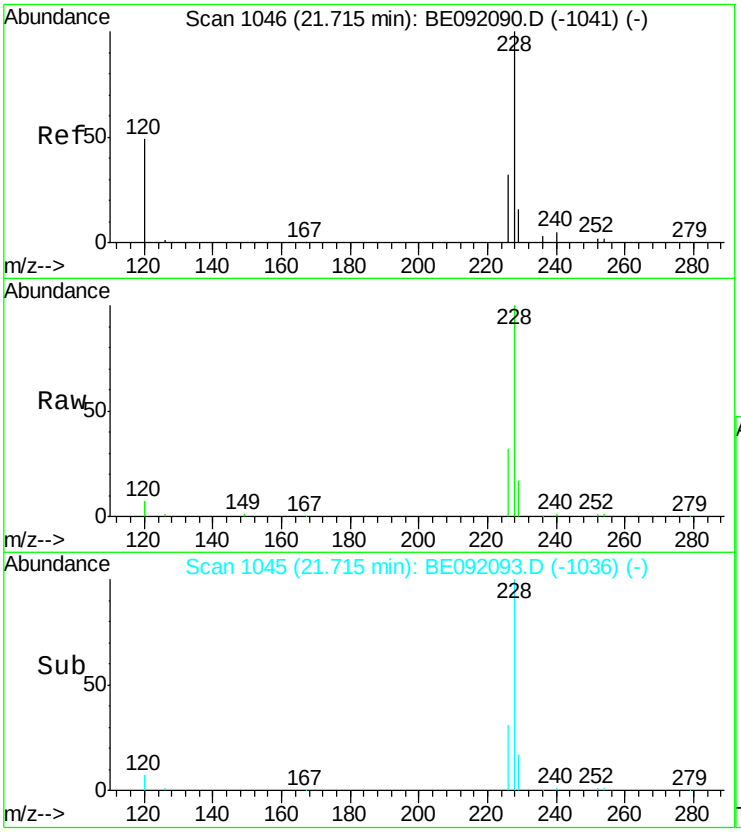


#34
Terphenyl-d14
Concen: 1.69 ng
RT: 20.21 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:244 Resp: 31664

Ion	Ratio	Lower	Upper
244	100		
212	6.2	9.1	13.7#
122	0.9	11.0	16.4#



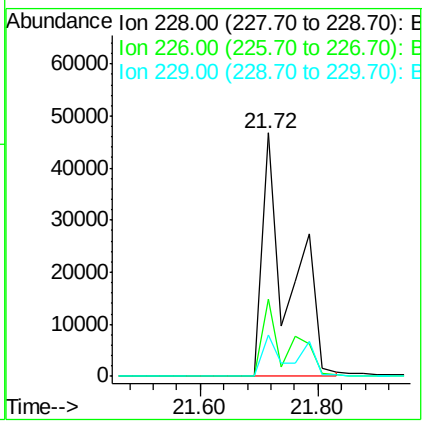


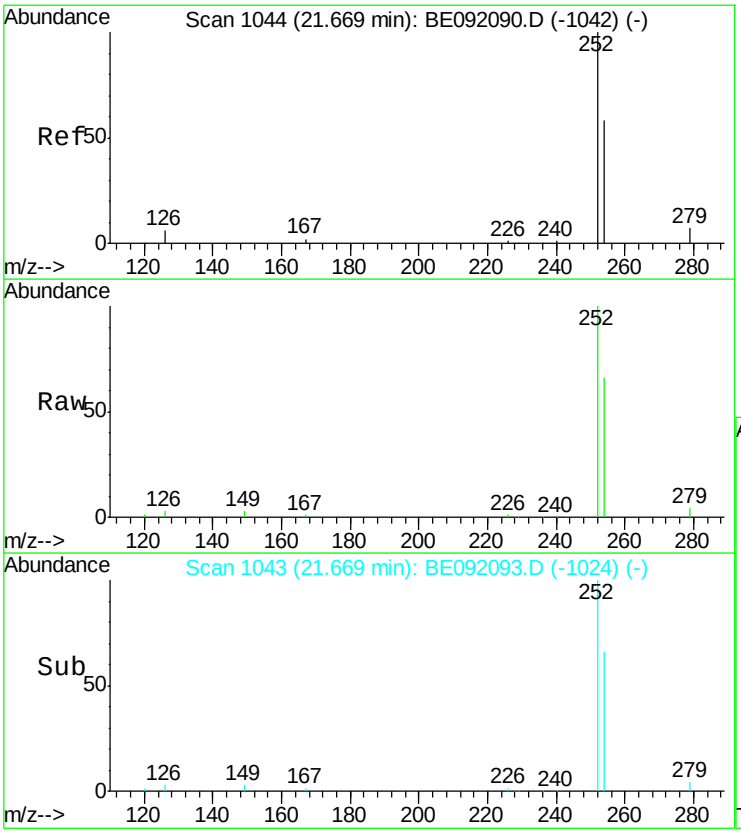
#35
Benzo(a)anthracene
Concen: 2.99 ng
RT: 21.72 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 143833

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.1	33.1
229	16.8	15.1	22.7

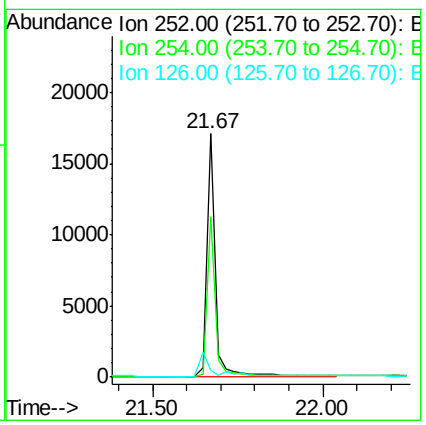


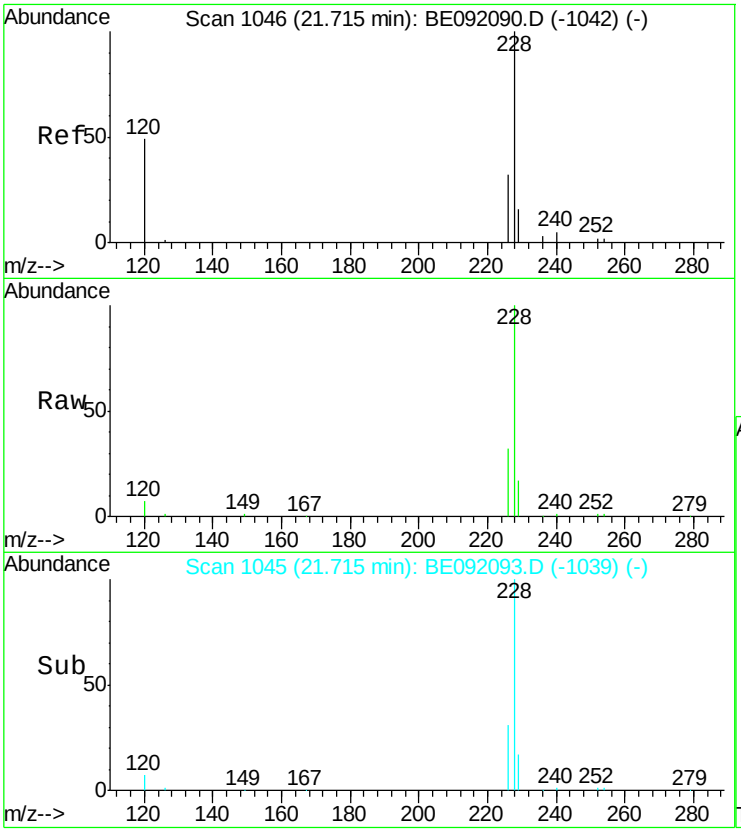


#36
3,3'-Dichlorobenzidine
Concen: 3.17 ng
RT: 21.67 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:252 Resp: 29360

Ion	Ratio	Lower	Upper
252	100		
254	65.7	44.2	66.2
126	2.7	10.6	15.8#



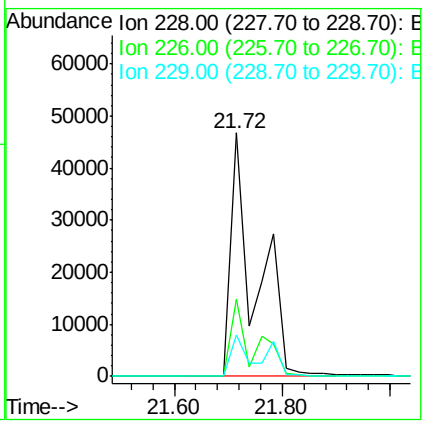


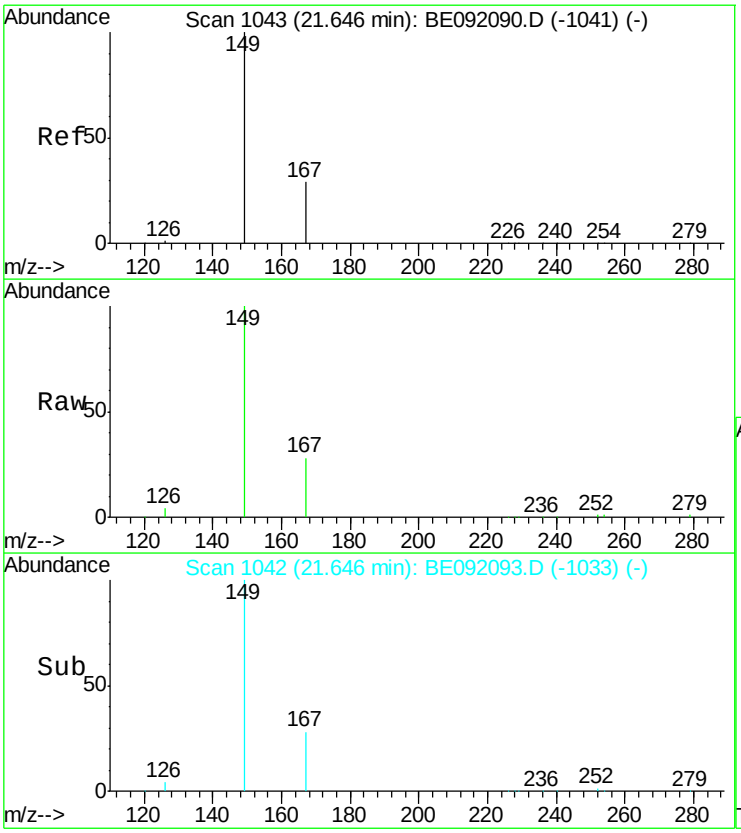
#37
Chrysene
Concen: 3.57 ng
RT: 21.72 min Scan# 1045
Delta R.T. -0.07 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 145558

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.3	33.5
229	16.8	16.9	25.3#

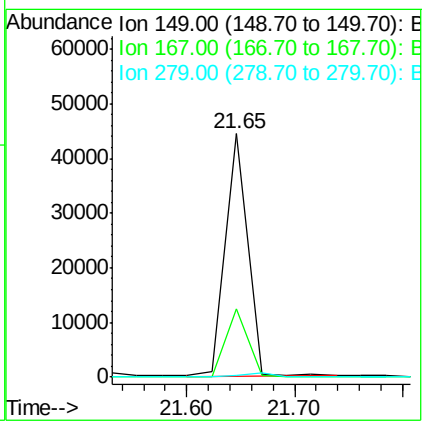


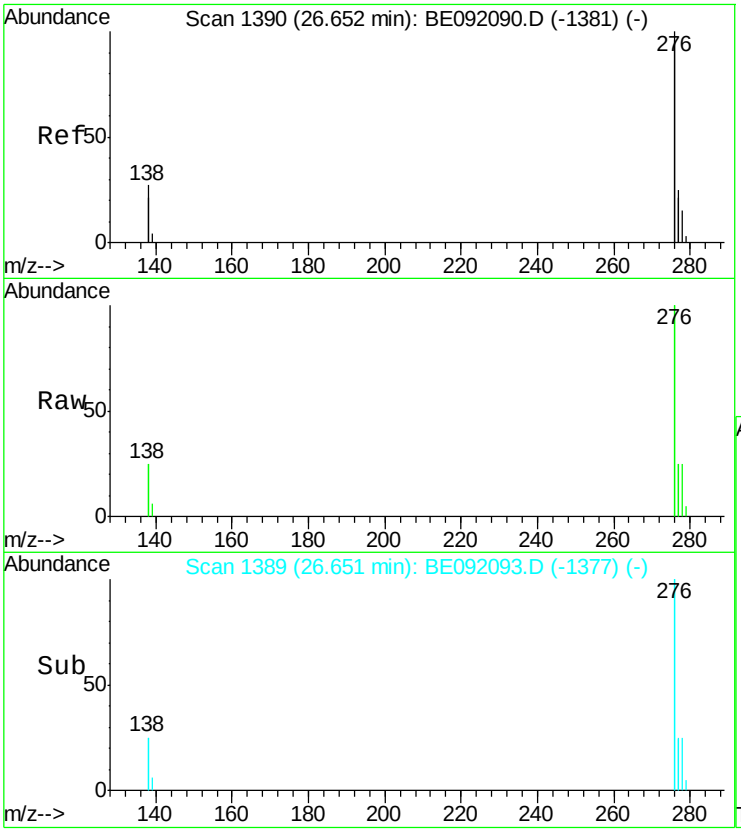


#38
Bis(2-ethylhexyl)phthalate
Concen: 0.66 ng
RT: 21.65 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:149 Resp: 63444

Ion	Ratio	Lower	Upper
149	100		
167	27.9	3.8	5.6#
279	0.0	0.0	0.0



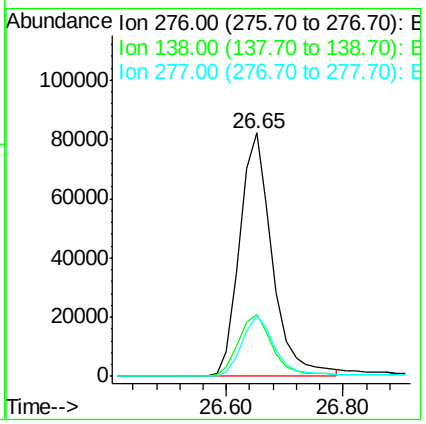


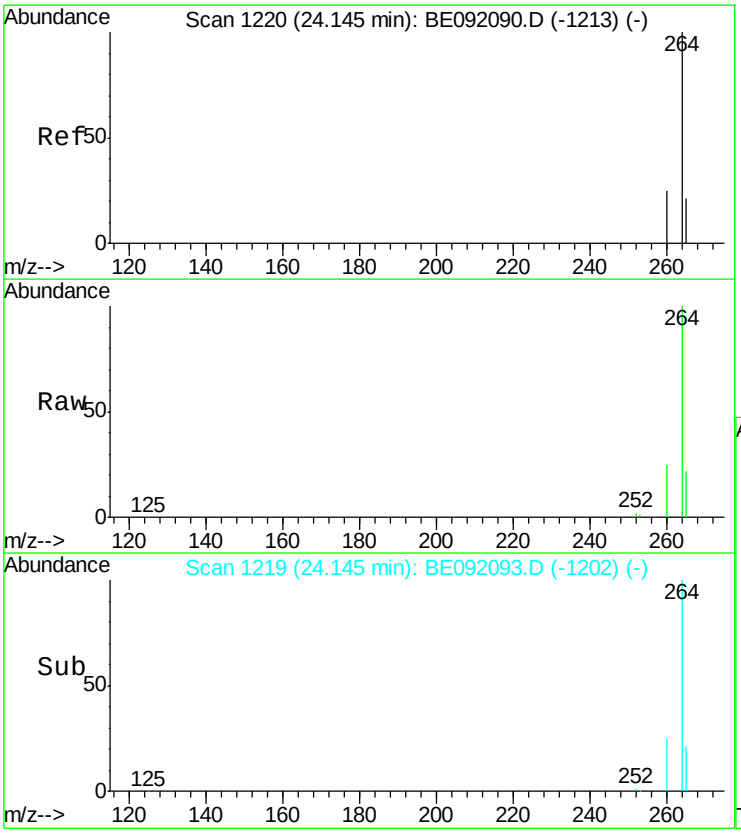
#39
Indeno(1,2,3-cd)pyrene
Concen: 2.70 ng
RT: 26.65 min Scan# 1389
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 318107

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.2	31.8
277	24.6	19.8	29.8

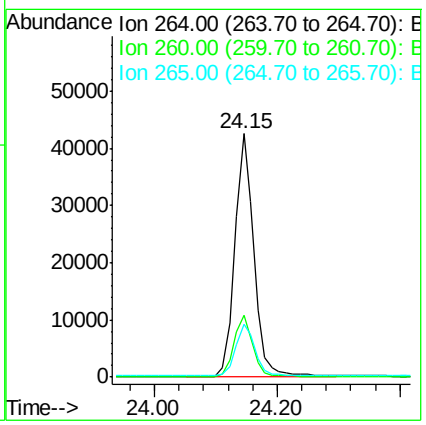


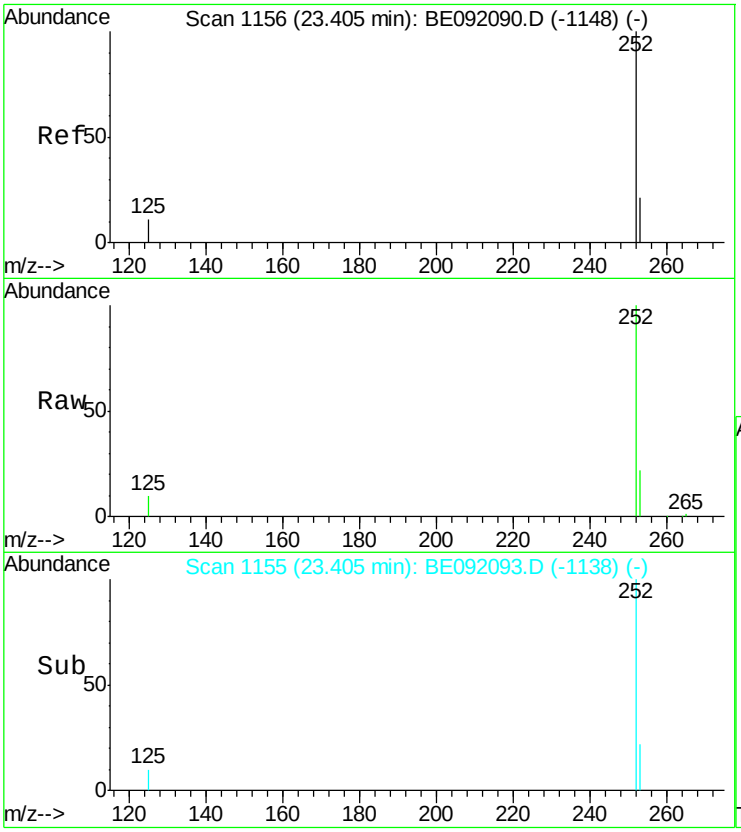


#40
Perylene-d12
Concen: 5.00 ng
RT: 24.15 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:264 Resp: 92541

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.8	31.2
265	21.5	16.6	25.0



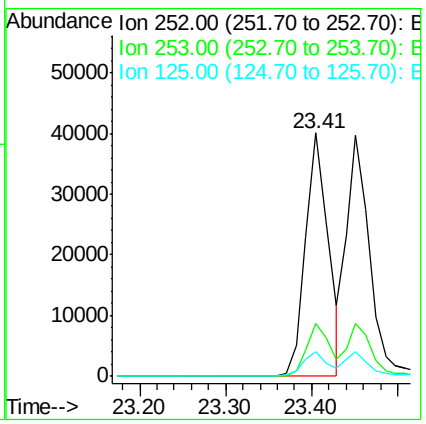


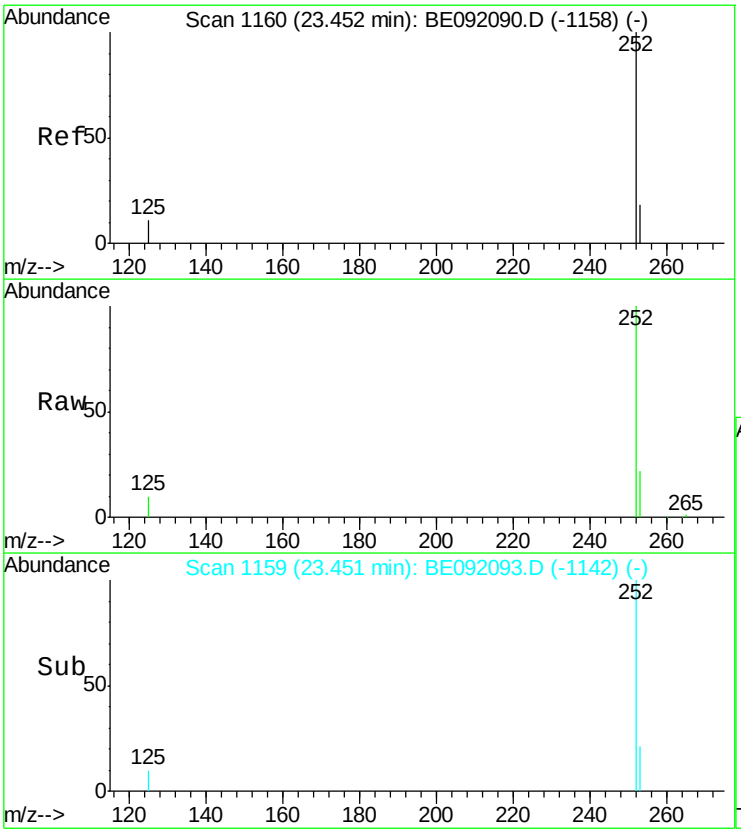
#41
Benzo(b)fluoranthene
Concen: 2.61 ng
RT: 23.41 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 73266

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	10.2	10.2	15.2

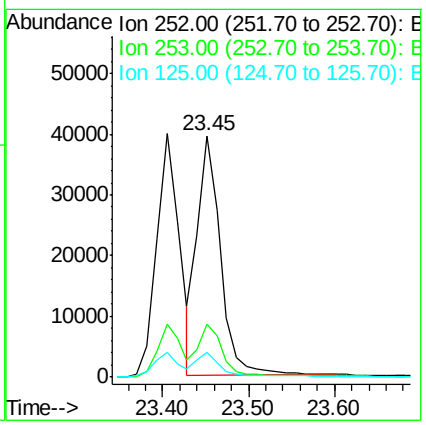


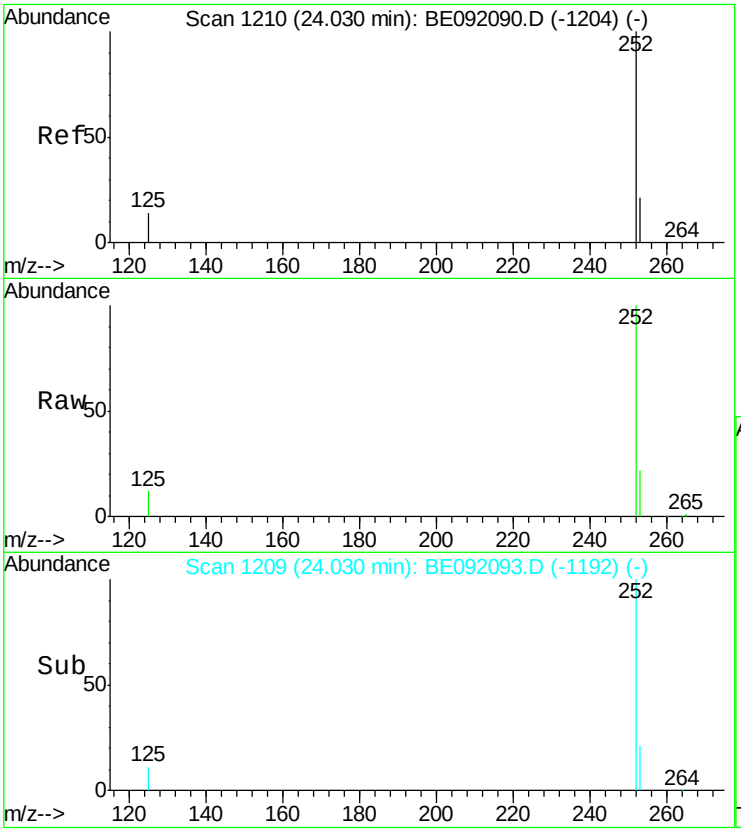


#42
Benzo(k)fluoranthene
Concen: 2.55 ng
RT: 23.45 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:252 Resp: 74040

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.4	29.0
125	10.1	8.9	13.3



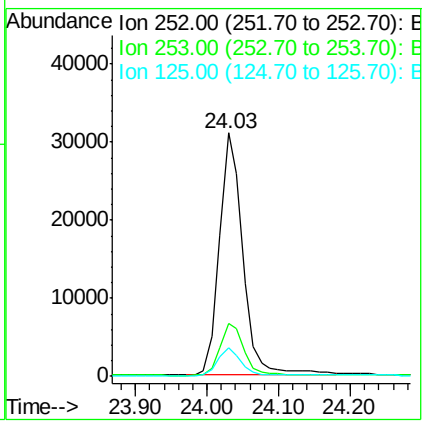


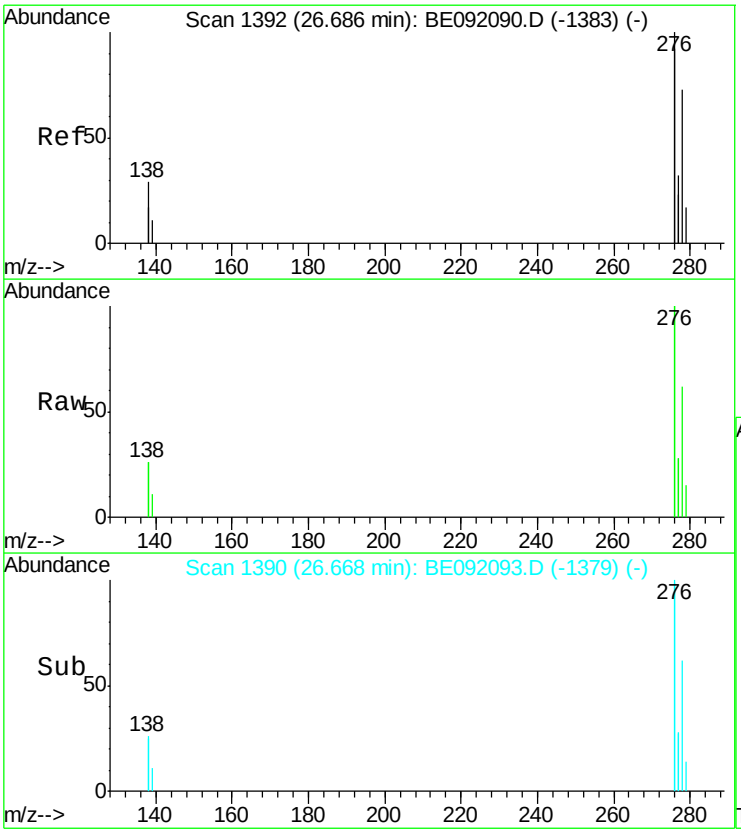
#43
Benzo(a)pyrene
Concen: 3.01 ng
RT: 24.03 min Scan# 1209
Delta R.T. -0.00 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 71009

Ion	Ratio	Lower	Upper
252	100		
253	21.6	19.8	29.8
125	11.7	10.4	15.6

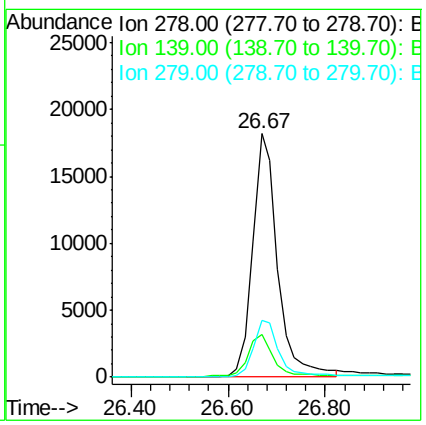


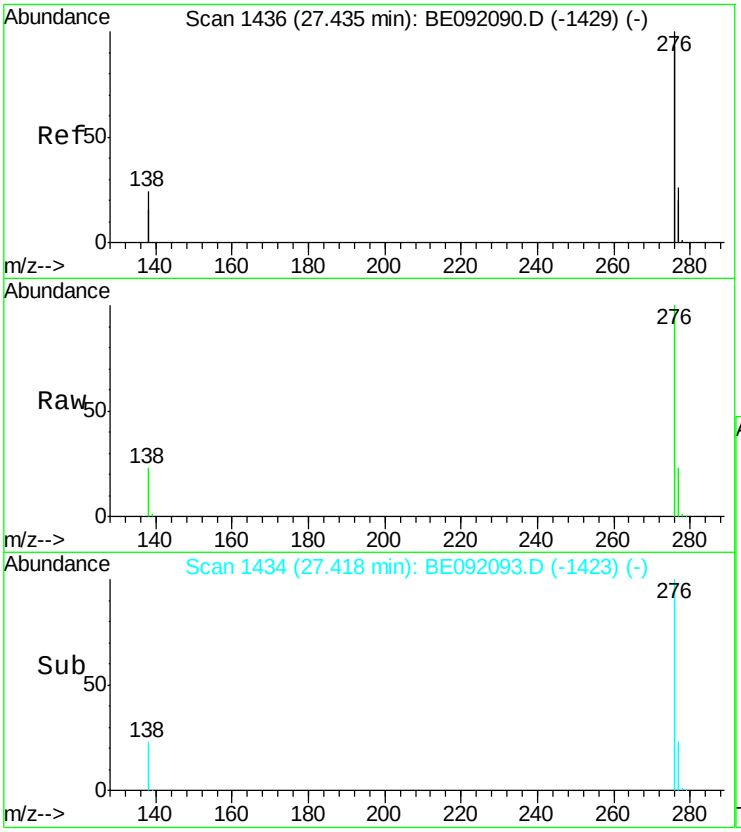


#44
Dibenzo(a,h)anthracene
Concen: 3.17 ng
RT: 26.67 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Tgt Ion:278 Resp: 65091

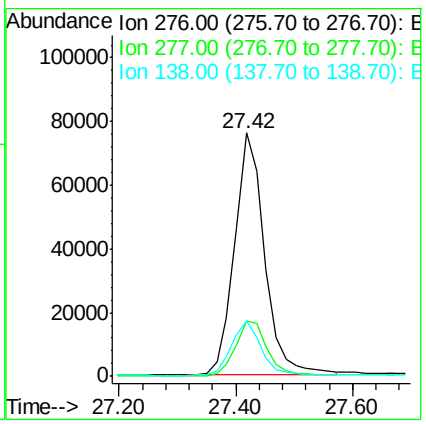
Ion	Ratio	Lower	Upper
278	100		
139	17.8	16.7	25.1
279	23.5	20.3	30.5





#45
Benzo(g,h,i)perylene
Concen: 3.18 ng
RT: 27.42 min Scan# 1434
Delta R.T. -0.02 min
Lab File: BE092093.D
Acq: 1 Aug 2016 14:58

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 272597

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.5	29.3
138	22.5	20.8	31.2